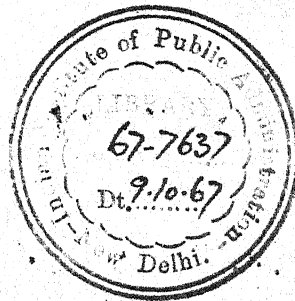


"ORGANISATION AND MANAGEMENT  
OF SCIENTIFIC RESEARCH"

- A BIBLIOGRAPHY

Indian Institute of Public Administration

Indraprastha Estate, New Delhi.



Indian Institute of Public Administration  
New Delhi-1.

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### A Note

The books covered in this bibliography are available in the Library of the Indian Institute of Public Administration except where indicated. In the latter category are the libraries of the following organisations:-

CDRI - Central Drug Research Institute, Chatter Manzil Palace, Lucknow.

CERI - Central Electrochemical Research Institute, Ceerinagar, Karaikudi - 3.

CMERI - Central Mechanical Engineering Research Institute, Mahatma Gandhi Avenue, Durgapur -9.

CRRI - Central Road Research Institute, New Delhi-20.

CSIO - Central Scientific Instruments Organisation, Sector 30, Chandigarh.

CSIR - Council of Scientific and Industrial Research, Rafi Marg, New Delhi-1.

ICMR - Indian Council of Medical Research, Ansari Nagar, New Delhi-16.

IJIRA - Indian Jute Industries Research Association, P.O. Box No. 12, Calcutta-1.

NAL - National Aeronautical Laboratory, Post Bag No. 4, Bangalore-17.

NBG - National Botanic Gardens, Lucknow.

RRL - Regional Research Laboratory, Hyderabad-9.

SITRA - The South India Textile Research Association, Coimbatore-14.

USIS - American Library, 24, Curzon Road, New Delhi-1.

## Introduction

The role of Science and Technology in achieving economic and social advancement has been universally recognised. Consequently, the various administrative aspects of scientific research have assumed appreciable importance. The large number of studies made during the recent past have thrown ample light on organization and management of scientific research.

The Indian Institute of Public Administration, recently took up some studies in the field of 'Science and Administration', on behalf of the Administrative Reforms Commission. In this connection, the research and reference staff of the Institute scanned through the available literature on administrative aspects of scientific research, which is listed in this bibliography.

The available books on organisation and management of scientific research are being put in the bibliography under seven categories viz., Science Policy, Scientific and Technological Personnel, Research Administration, History of Science, Industrial Research, Medical Research, and Agricultural Research. In addition, the bibliography covers public documents and articles in ~~some~~ specialised periodicals on the subject. The books have been annotated, so as to add to the usefulness of the bibliography.

The books available at some of the scientific research organization in India have also been included in the bibliography. The efforts of the Institute will be fully rewarded if the bibliography can help the scientists and technologists in India to use whatever information resources are available at various places.

Thanks are due to Shri K.P. Phatak, who prepared the bibliography and to Shri Ved Prakash who guided and edited the work.

September, 1967.

J.N. Khosla  
Director,  
Indian Institute of Public  
Administration, New Delhi.

## I.A. BOOKS (Annotated)

### (a) Scientific Policy

- Barbar, Richard J. The politics of research. Washington, Public Affairs, 1966. 167p. \$ 4.50 (Affairs of science must be brought within the effective control of political institutions. This can be done only if thoughtful citizens come to appreciate government-subsidized research and development. This volume is designed to assist in providing some of the information needed to gain that awareness).
- Carter, C.F. and Williams, B.R. Science in industry: policy for progress. London, O.U.P., 1959. 186p. 21/- (Contains some suggestions for policy and action by industry and by Government, which may assist in the fruitful application of science. Written on behalf of the Science and Industry Committee set up in 1952 by the British Association for the Advancement of Science).
- Cox, Donald W. America's new policy makers: the scientists' rise to power. Philadelphia, Chilton, 1964. 298p. \$ 6.95 (Discussion on expanding role of American Scientist in political system).
- Dupre, J. Stefan and Lackoff, Sanford A. Science and the nation: policy and politics. Englewood Cliffs, N.J., Prentice-Hall, 1962. 181p. \$ 1.95 ( This book explains the role of scientific research in the economic development of U.S.A. and the impact of science on government policies.)
- Dupree, A. Hunter. Science in the federal government: a history of policies and activities to 1940. Cambridge, Mass., Harvard Univ. Press, 1957. 460p. \$ 7.50 (The aim of this study is to trace the development of the policies and activities of the U.S. government from the establishment of the federal constitution to the year 1940).
- Esslinger, William. Politics and science. N.Y., Philosophical Library, 1955. 167p. \$ 3.00 (Part One and Two of this book are devoted to the necessity, the possibility, and the difficulties of scientific thinking in politics; Part Three suggests ways and means to further it).

- Gilpin, Robert. American scientists and nuclear weapons policy. Princeton, N.J., Princeton Univ. Press, 1962. 352p. \$ 6.95 (This book has grown out of work which began as research for Author's doctoral dissertation, it analyzes the politically relevant ideas of those scientists who have been influential in the formulation of American policy toward nuclear weapons).
- Gilpin, Robert and Wright, Christopher, eds. Scientists and national policy making. N.Y., Columbia Univ. Press, 1964. 307p. \$ 7.50 (This is a collection of ten papers by well-known writers on the role of scientists and science policy in politics and public administration).
- Hailsham, Quintin McGarel Hogg, 2nd Viscount. Science and politics. London, Faber and Faber, 1963. 110p. 13/6 (The Author was appointed in 1959 to be the first Minister for Science in British history, he discusses in this book some of the problems to be solved by those responsible for the developing relationship between science and government).
- Haskins, Caryl P. The scientific revolution and world politics. N.Y., Harper, 1964. 113p. \$ 3.50 (The Author has examined the implications of the pressures exercised by science and technology in shaping world events; based on Elihu Root Lectures for Council on Foreign Relations in 1961).
- Morgenthau, Hans J. Scientific man Vs. power politics. Chicago, Univ. of Chicago Press, 1952. 245p. \$ 4.50 (The purpose of this book is to show why the belief in the power of science to solve all political problems is misplaced and to indicate those intellectual and moral faculties of man to which alone the problems of the social world will yield).
- Mullenbach, Philip. Civilian nuclear power: economic issues and policy formation. N.Y., Twentieth Century Fund, 1963. 406p. \$ 8.50 (This study is intended to provide an evaluation of policy formation that is based on economic analysis of the issues underlying power reactor development during the period 1953-61. Its purpose is to help policy makers find solutions as the area of private development and participation enlarges).

Schrader, Rudolf. Science and policy: on the interaction of scientific and political affairs. London, Pergamon Press, 1963. 81p. (This book deals with impact of science and technology on policy problems and military affairs and also some economic aspects of supporting research and development, bibliography pages 74-7). CSIR

Seitz, Dr. Frederick. The relationships between science and government. (Robert A. Welch Foundation Research Bulletin, No. 16, March 1965). 25p. (Based on lecture by Dr. Seitz, President, National Academy of Sciences, Washington ) CSIR

Snow, C.P. Science and government. London, Oxford, 1961. 88p. 9/6 (contains the text of the Godkin lectures delivered by Snow at Harvard Univ. in 1960, he explains why not only professional administrators but also trained scientists are essential on all levels of government).

(b) Scientific and Technical Personnel

Alexander, Joyce. Scientific manpower. London, Hilger, 1959. 135p. 15/- (This book deals with various problems connected with shortage of technically trained manpower in U.K ).

American Management Association. Optimum use of engineering talent: meeting the need for technical personnel. N.Y., AMA, 1961. 416p. (This book is offered for the purpose of sharing with others the experiences of a number of men who are prominent in various phases of engineering management).

American men of science: a biographical directory; 10th ed. Temple, Cattell, 1962. 1220p. \$ 25.00 (This is the fifth volume of 'American Men of Science', covering the Social and Behavioral Sciences).

Blanshard, Brand, ed. Education in the age of science. N.Y., Basic Books, 1959. 302p. \$ 4.50 (This book, a searching examination of American education by professionals is based on discussions in a seminar sponsored by the Tamiment Institute at Tamiment, Pennsylvania in June 1958 and also on further essays in 'Daedalus').



British Association for the Advancement of Science.  
Science in Schools: proceedings of a conference  
edited by W.H. Perkins. London, Butterworth, 1958.  
150p. 15/- (Proceedings of a conference under the  
auspices of the British Association for the Advance-  
ment of science held on April 17th and 18th, 1958,  
at the Royal Geographical Society, London).

Brown, J. Douglas and Harbison, Frederick. High-talent  
manpower for science and industry: an appraisal of  
policy at home and abroad. Princeton, Princeton Univ.,  
1957. 97p. \$ 3.00 (No. 95 of Research Report Series  
by Industrial Relations Section, Dept. of Economics and  
Sociology, Princeton Univ., the two essays explore  
the appropriate role of the corporation, the university  
and the state in the development of talent).

Cole, Charles C., Jr. Encouraging scientific talent. N.Y.  
college Entrance Examination Board, 1956. 259p. \$ 3.50  
(A study of America's able students who are lost to  
college and of ways of attracting them to college  
and science careers; this study was conducted at the  
instance of the National Science Foundation and the  
chapters are the same as those submitted in the final  
report to the Foundation in June, 1955; bibliography -  
pages 230-55).

Conference on Industrial Research, 1951. Selection,  
training, and use of personnel in industrial research;  
proceedings of the second annual Conference on Industrial  
Research, June, 1951. N.Y., King's Crown Press, 1952.  
274p. \$ 4.50 (Sponsored by the Dept. of Industrial  
Engineering, Columbia University; objective of this  
conference was to assist research administrators achieve  
a wider understanding and deeper comprehension of the  
problems involved in the selection and training of  
research personnel. 'External communication of research  
results' - by H.B. McClure, p. 161-76., 2-page  
bibliography).

Constance, John D. How to become a professional engineer.  
N.Y., McGraw-Hill, 1958. 272p. \$ 5.50 (This book is  
intended to help the young engineering student and the  
graduate to set a course that will ultimately lead to  
successful professional careers.)

Cooper Union for the Advancement of Science and Art.  
Brainpower quest, edited by Andrew A. Freeman. N.Y.,  
Macmillan, 1958. 242p. \$ 4.75 (A report on a  
convocation called by The Cooper Union to find new  
sources from which to draw tomorrow's leaders in  
science and engineering. The convocation was held  
in Oct. 1956).

Doy, B.K. Manpower planning for economic development in India, with a projection of engineering manpower demand. 108p. (Dissertation, Indian School of Public Administration, 1963-64 session).

Eiduson, Bernice T. Scientists: their psychological world. N.Y., Basic Books, 1962. 299p. \$ 6.50 (Study of parental backgrounds, interests, aptitudes, scholastic performance, personality, intelligence, and other motivating factors in the lives of forty contemporary American research scientists; bibliography - pages 289-95).

Fortune. Great American scientists: America's rise to the forefront of world science. Englewood Cliffs, Prentice - Hall, 1961. 144p. (Prepared by Fortune's research staff, articles on physicists, biologists, chemists and astronomers). USIS

Galkin, K. The training of scientists in the Soviet Union. Moscow, Foreign Languages Publishing House, 1959. 205p. 2/9 (The aim of this book is to give some idea of the system of higher education and of how professors, teachers and scientists are trained in the Soviet Union).

International Bureau of Education, Geneva. Training of technical and scientific staff: measures to increase facilities; a comparative study. Geneva, The Bureau, 1959. 300p. \$ 2.25 (Published jointly by Unesco and International Bureau, Publication No. 206. This enquiry is concerned with the statistical, financial, administrative - special committees, planning, etc. - social and educational aspects of the problem in fifty - five countries).

Kidd, Charles V. American universities and federal research. Cambridge, Massachusetts, Belknap Press of Harvard Univ. Press, 1959. 272p. (The central thesis of this book is that large-scale financing of research has set in motion irreversible forces that are affecting the nature of universities, altering their capacity to teach, changing their financial status, modifying the character of parts of the federal administrative structure, establishing new political relations, and changing the way research itself is organized). USIS

Killeffer, D.H. The genius of industrial research. N.Y., Reinhold, 1948. 263p. (The Author's intention is to guide the ambitious young researcher, to a better understanding and a surer mastery of his craft). USIS



- Klochko, Mikhail A. Soviet Scientist in China. London, Hollis & Carter, 1964. 192p. (Translated by Andrew MacAndrew, the Author, a Soviet Scientist was working in Peking, Kunming and elsewhere. He has written what he saw, heard and what he thought of it. He is chiefly concerned with life and work of scientists). CSIR
- Kornhauser, William. Scientists in industry: conflict and accommodation. Berkeley, Univ. of California Press, 1962. 230p. \$ 6.00 (This study analyzes relations between professional employees, the professions to which they belong, and the organizations for which they work; bibliography - pages. 208-22).
- Korol, Alexander G. Soviet education for science and technology. N.Y.; Wiley, 1957. 513p. \$ 8.50 (The aim of this book is to examine the organization and effectiveness of the Soviet formal training process in science and technology and to bring out implications for the overall quality of Soviet-trained scientists and engineers; bibliography, pages - 469-80).
- Lindveit, Earl W. Scientists in government. Washington, D.C., Public Affairs Press, 1960. 84p. (The objectives of this study are to appraise some of the significant factors relating to the development, nature and extent of the problem of retaining scientific personnel in federal government. Bibliography, pages p. 71-81).
- McCrensky, Edward. Scientific manpower in Europe: a comparative study of scientific manpower in the public service of Great Britain and Selected European Countries. London, Pergamon Press, 1958. 188p. 40/- (Foreword by Sir Harry Melville, bibliography, pages 167-71).
- Marcson, Simon. The scientist in American industry: some organizational determinants in manpower utilization. N.Y., Harper, 1960. 158p. \$ 3.00 (The purpose of this study is to examine the organizational environment and the dynamics of adaptive behavior as the scientist goes about his research work in a laboratory. This book is published in cooperation with the Industrial Relations Section, Dept. of Economics, Princeton Univ.).
- National Council of Educational Research and Training, New Delhi. Improved science teaching in schools. New Delhi, Council, 1963. 188p. (A report of the Experimental Programme in Science Education in India with special reference to the Summer Institute Programme of 1963 and the Conference of Education Secretaries held on July 29, 1963. compiled by N. G. D. ...)

Oehser, Paul H. Sons of science. N.Y., Abelard and Schuman, 1949. 200p. \$ 4.00 (The story of the Smithsonian Institution and its leaders, this Institution was founded in 1846; bibliography, pages p.205-8).

Orleans, Leo A. Professional manpower and education in Communist China. Washington, D.C., Govt. Printing Office, 1960. 260p. \$ 2.00 (This National Science Foundation - sponsored study examines the characteristics and training of Chinese professional manpower and their relationship to Communist China's technological development).

Paranjape, H.K. The flight of technical personnel in public undertakings. New Delhi, Indian Inst. of Public Administration, 1964. 191p. Rs.10.00 (This study based on data specially collected both from private and public sector enterprises, analyses the problem and suggests remedial action).

Payne, George Louis. Britain's scientific and technological manpower. Stanford, California, Stanford Univ. Press, 1960. 466p. 45/- (This study was undertaken at the request of the President's Committee on Scientists and Engineers, bibliography, pages 446-55).

Raudsepp, Eugene. Managing creative scientists and engineers. N.Y., Macmillan, 1963. 254p. \$ 7.50 (Effective ways to manage, utilize and motivate creative professionals - proposals are 1) thorough understanding of the creative process, 2) intimate understanding of the attributes and characteristics of the creative professional, 3) insight into the subtle environmental forces and psychological conditions that best match the inherent requirements of creative functioning).

Shepherd, Walter. Great pioneers of science. London, Ward Lock & Co., 1964. 219p. 12/6 (This book tells the story of the world's foremost scientists and their chief discoveries from the time of Pythagoras to the present day. The Author shows that behind the many wonderful achievements of modern research lies an ancient scientific tradition that began with man's first groping attempts to understand his world, and grew to become one of the greatest cooperative human efforts in history).

NAL

Thomas Alva Edison Foundation Institute. Strengthening science education for youth and industry. N.Y., Univ. Press, 1957. 162p. \$ 5.00 (Proceedings of the Seventh Thomas Alva Edison Foundation Institute, Nov. 19-20, 1956).

Walton, Richard E. The impact of the professional engineering union. Boston, Harvard Univ., 1961. 419p. \$ 5.00 (A study of collective bargaining among engineers and scientists and its significance for management, bibliography pages 401-7). USIS

(c) Research Administration

Ackoff, Russel L. and others. Scientific methods: optimizing applied research decisions. N.Y., Wiley, 1962. 484p. \$ 9.50 (Shiv K. Gupta and J. Sayer Minas are joint authors, this book is intended to improve the skill of the scientist in the conduct of inquiry).

Ackermann, Jean Marie. Communicating industrial ideas: an international handbook for industrial extension. Stanford Research Institute, 1962. 145p. \$ 6.00 (The aim of this book is to present, in form suitable for use by industrial extension agents, some things that are known about communication and some ideas that have worked in communicating new industrial techniques). USIS

American Institute of Mining, Metallurgical and Petroleum Engineers. Management of materials research; edited by Dan H. Penn, Jr. and Linda M. Fernberger, N.Y., Interscience, 1962. 171p. \$ 9.00 (Metallurgical Society Conferences, Vol. 14. Based on the first conference for the "Management of Materials Research" sponsored by the Metallurgical Society, American Institute... Conference held in New York, May 17-19, 1961. The material is separated into two main parts--one on general problems and one on the problems of the people. There is a 4-page bibliography of suggested reading on many subjects touched upon or referred to at the conference.).

American Management Association. Getting the most from product research and development. N.Y., AMA, 1955. 149p. Special report, No.6 \$ 3.75 (Fourteen papers presented by various hands at the special conference on "Managing product research and development" held by AMA Finance Division in New York, Oct. 6-7, 1955. The material offers solid achievement and informed discourse by successful concerns in American industry).

American Management Association. Organizing the R & D function, by Alexander O. Stanley and K.K. White. N.Y., AMA, 1965. 223p. AMA Research Study, 72. \$ 9.00 (This report describes the R & D structures most often found in industrial organizations at present. Part One gives an overview of the basic building blocks used in grouping scientists and engineers at the working level. It outlines the strengths and weaknesses of the basic structures and offers an approach to choosing among them. Part Two of the report presents charts and descriptions of the R & D organizations of 42 industrial companies for comparison. Part Three adds representative job descriptions for key managerial and supervisory positions relating to research and development).

Anthony, Robert N. Management controls in industrial research organizations. Assited by John S. Day. Boston, Graduate School of Business Administration, Harvard Univ., 1952. 537p. \$ 6.75 ( The Author presents the results of a broad, first-hand study of the problems of administrative control of scientific research activities in American industry. Contains four case studies and a 9-page bibliography).

Berle, Alf K. and De Camp, L. Sprague. Inventions, patents, and their management. Princeton, New Jersey, Van Nostrand, 1959. 602p. (This book is intended to serve inventors as a guide to the inventive, legal, and commercial procedure involved in developing an idea into a profitable product; bibliography pages - 534-6). USIS

British Institute of Management. The functions of a research department in a small firm, by W.E. Benton. London, BIM, 1951. 24p. 3/6 (Production Management Series, No.3, it is based on W.E. Benton's paper given to the BIM Autumn Management Conference, Harrogate, 1950).

Burns, Tom and Stalker, G.M. The management of innovation. London, Tavistock Publications, 1961. 269p. 30/- (This book is about the attempts - successful and unsuccessful - of industry to exploit new scientific information. It is based on studies of twenty concerns, most of them engaged in the development of electronic devices and systems).

Buckles, Robert A. Ideas, inventions, and patents: how to develop and protect them. N.Y., Wiley, 1957. 270p. (The Author's intention is to present in broad general outlines the fundamental principles and philosophy of laws respecting 'intellectual property' for the purpose of pointing the way to more effective protection and exploitation of ideas and inventions). USIS

Cockcroft, Sir John, ed. The organization of research establishments. Cambridge Univ. Press, 1965. 63/- 275 (The objective of this book is to discuss the factors which make for creativity and productivity in research establishments. There are contributions from heads of 13 research establishments).

Collinson, H.A. Management for research and development. London, Pitman, 1964. 131p. 16/- (Arising from the courses offered by the British Institute of Management there were requests for a book dealing specifically with the management of research and development, and this volume is an attempt to meet the demand).

Cronstedt, Val. Engineering management and administration. N.Y., McGraw-Hill, 1961. 345p. \$ 8.50 (Modern tools, policies and practices - used to manage engineering departments more efficiently - are defined and described in this handbook for today's engineers. Appendix IV, - pages 329-35, presents an organization chart for an engineering department).

Heyel, Carl, ed. Handbook of industrial research management. N.Y., Reinhold Pub. Corp., 1960. 513p. \$ 12.00 (Seventeen articles on organization, evaluation and control of industrial research).

Hilton, Peter. Handbook of new product development. Englewood Cliffs, Prentice-Hall, 1961. 223p. (The aim of this book is to provide a detailed, step-by-step description of every phase of a successful new product program; bibliography pages 195-217). USIS

Kast, Fremont E. and Rosenzweig, James E., eds. Science, technology and management. N.Y., McGraw-Hill, 1963. 368p. \$ 7.95 (Proceedings of the National Advanced - Technology Management Conference, Seattle, Washington, Sep. 4-7, 1962. The participants examine the problems of managing very large and complex advanced-technology programs from their inception to operation of the end products).



Laitala, Everett. Engineering and organization. Homewood, Illinois, Irwin, 1959. 391p. \$ 6.00 (This text concerns itself with the dynamics of engineering. Thus its objective is to examine the forces which give it purpose, those which produce engineering action, and those which govern its action toward desired goals).

Livingston, Robert Teviot and Milberg, S.H., eds. Human relations in industrial research management. N.Y., Columbia, 1957. 418p. \$ 8.50 (Includes papers from the sixth and seventh annual conferences on industrial research, Columbia University, 1955 and 1956; 6-page bibliography, 'Role of communications in research - by D.B. Hertz and A. H. Rubenstein, p.197-207).

McCamy, James. Science and public administration. Univ. of Alabama Press, 1960. 218p. \$ 3.50 (Lectures delivered at Southern Regional Training Program in Public Administration, Univ. of Alabama).

Mees, C.E. Kenneth and Leermakers, John A. The organization of industrial scientific research; 2nd edition. N.Y., McGraw-Hill, 1950. 383p. \$ 6.50 (First published in 1920, presents an account of the history and development of industrial scientific research, the general principles of its conduct, and an analysis of the methods actually used for the organization and operation of industrial research laboratories, chapter on 'Transfer of research to production', p. 259-67).

Orth, Charles D. 3rd and others. Administering research and development: the behavior of scientists and engineers in organizations. Homewood, Illinois, Irwin, 1964. 585p. \$ 8.95 (Joseph C. Bailey and Francis W. Wolek are the joint authors, this book contains thirty-six cases on the management of research and development groups).

Reeves, E. Duer. Management of industrial research. N.Y., Reinhold, 1967. 207p. \$ 9.00 (Based upon modern industrial research, this book deals comprehensively with the total development and execution of successful business strategies. It outlines in detail the management actions required for effective planning, for creation of the necessary technology, and for coordination of corporate resources to produce sound business strategies).

- Buckles, Robert A. Ideas, inventions, and patents: how to develop and protect them. N.Y., Wiley, 1957. 270p. (The Author's intention is to present in broad general outlines the fundamental principles and philosophy of laws respecting 'intellectual property' for the purpose of pointing the way to more effective protection and exploitation of ideas and inventions). USIS
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- Heyel, Carl, ed. Handbook of industrial research management. N.Y., Reinhold Pub. Corp., 1960. 513p. \$ 12.00 (Seventeen articles on organization, evaluation and control of industrial research).
- Hilton, Peter. Handbook of new product development. Englewood Cliffs, Prentice-Hall, 1961. 223p. (The aim of this book is to provide a detailed, step-by-step description of every phase of a successful new product program; bibliography pages 195-217). USIS
- Kast, Fremont E. and Rosenzweig, James E., eds. Science, technology and management. N.Y., McGraw-Hill, 1963. 368p. \$ 7.95 (Proceedings of the National Advanced - Technology Management Conference, Seattle, Washington, Sep. 4-7, 1962. The participants examine the problems of managing very large and complex advanced-technology programs from their inception to operation of the end products).

Laitala, Everett. Engineering and organization. Homewood, Illinois, Irwin, 1959. 391p. \$ 6.00 (This text concerns itself with the dynamics of engineering. Thus its objective is to examine the forces which give it purpose, those which produce engineering action, and those which govern its action toward desired goals).

Livingston, Robert Teviot and Milberg, S.H., eds. Human relations in industrial research management. N.Y., Columbia, 1957. 418p. \$ 8.50 (Includes papers from the sixth and seventh annual conferences on industrial research, Columbia University, 1955 and 1956; 6-page bibliography, 'Role of communications in research - by D.B. Hertz and A. H. Rubenstein, p.197-207).

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Orth, Charles D. 3rd and others. Administering research and development: the behavior of scientists and engineers in organizations. Homewood, Illinois, Irwin, 1964. 585p. \$ 8.95 (Joseph C. Bailey and Francis W. Wolek are the joint authors, this book contains thirty-six cases on the management of research and development groups).

Reeves, E. Duer. Management of industrial research. N.Y., Reinhold, 1967. 207p. \$ 9.00 (Based upon modern industrial research, this book deals comprehensively with the total development and execution of successful business strategies. It outlines in detail the management actions required for effective planning, for creation of the necessary technology, and for coordination of corporate resources to produce sound business strategies).



Reichstein, Jerome. Communication, organization, and science. Indian Hills, Colorado, Falcon's Wing Press, 1958. 110p. \$ 3.50 (The aim of this book is to develop the concepts of measurement, communication, entropy and of organization in relation to each other and to explore some of the consequences of this relationship).

Ryan, Paul W.S. Engineering administration. Sydney, Angus & Robertson, 1959. 78p. 21/- (The book is written primarily to meet the requirements of the syllabus of the subject of Engineering Administration given in the Civil Engineering School of the Univ. of New South Wales, bibliography pages 77-8).

Singer, T.E.R., ed. Information and communication practice in industry. New York, Reinhold, 1958. 304p. (Twenty-two leading experts contribute their know-how and experience in delineating the most efficient methods for handling technical information of all kinds). USIS

Walters, J.E. Research management: principles and practice. Washington, D.C., Spartan Books, 1965. 367p. \$ 12.00 (The information is based on the author's background of experience in industry and on the results of personal investigations of the management of research and development in the laboratories of 37 companies).

Woodling, George V. Inventions and their protection; 2nd edition. N.Y., Matthew Bender & Co., 1954. 495p. (The primary aim of this book is to help the executive engineer and the designer in the protection and commercial development of their creations by giving them a practical knowledge of patents which will be valuable in their daily work).

#### (d) History of Science \*

Aligarh. Muslim University. Directorate of General Education. Reading Material Project. Science: its method and outlook. Bombay, Asia, 1963. 85p. Rs.6.50 (General Education Reading Material Series, No. 14, selection from the writings of Bacon, Descartes, Wells, Bronowski, Bernal and Russell).

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\* General books on science are also included under this category.

Asinov, Isaac. The new intelligent man's guide to science. London, Nelson, 1967. 864p. 63/- (This book gives a panoramic view of modern science, tracing the development of basic ideas, highlighting the important developments and indicating the meaning of today's scientific discoveries).

Association of Scientific Workers. Planning of science. London, The Association, 1943. 127p. 2/6 (Report of proceedings of the open conference held at Caxton Hall, January 30-31, 1943).

Bagshot, Walter. Physics and politics. N.Y., Knopf, 1948. 230p. \$ 2.75 (Thoughts on the application of the principles of "Natural Selection" and "Inheritance" to political society, introduction by Jacques Barzun).

Barber, Bernard and Hirsch, Walter, eds. The sociology of science. Glencoe, Free Press, 1962. 662p. \$ 9.00 (The main purpose of this reader in sociology is to provide instructive and readable material on science as a social phenomenon: its essentially social character, sociohistorical development, patterns of organization, social images of science, social influences on the processes of discovery and the social responsibilities of science; bibliography, pages - 641-7).

Barzun, Jacques. Science: the glorious entertainment. London, Secker & Warburg, 1964. 322p. (Author's aim is to turn over the pieces of our scientific culture and point out their workings, which by common report are bedeviling the world; reference notes, pages 309-16).

Bernal, J.D. Science in history; 2nd edition. London, Watts, 1957. 984p. 42/- (The aim of this book is to bring out the influence of science upon other aspects of history, whether direct or indirect, through its effect on economic changes, or through its influence on the ideas of the classes of the day or of those who are striving to supplant them, bibliography - pages 934-48).

Bernal, J.D. World without war. London, Routledge, 1958. 308p. 25/- (The Author has brought together the dark and the bright side of the new power that science has given to mankind by bringing out their interactions, bibliography - pages 297-304).

Boyko, Hugo, ed. Science and the future of mankind. Hague, Dr. W. Junk Publishers, 1964. 383p. (In this work vital problems of mankind and its solutions have been discussed by distinguished scientists and scholars). NBG

British Association for the Advancement of Science. Guildhall lectures, 1962. Manchester, Grand T.V. Network, 1962. 102p. 4/6 (This is fourth volume of the annual lectures organized by the Association and sponsored by Granada TV Network. Contents-1) 'The past speaks to the present', by Prof. Yigael Yadin, 2) 'Television for teaching' by Yoshinori Maeda, 3) 'The language of economics,' by Dr. J.K. Galbraith. The general title of the Granada lectures is 'Communication in the modern world').

Brown, G. Spencer. Probability and scientific. London, Longmans, 1957. 154p. 15/- (In this book the field of probability is analysed, with a commentary by A.T.Oran).

Bush, Vannevar. Modern arms and free man: a discussion of the role of science in preserving democracy. London, Heinemann, 1950. 300p. 10/6 (Aspirations of men of good will may become realities, if we keep our strength, is the thesis of the book).

Caldwell, Otis W. and Slosson, E. Science remaking the world. New York, Garden City Pub. Co., 1923. 292p. (This book provides information about the achievements of modern science, based on a course of lectures in Teachers' College, Columbia University). NBG

Chamber's technical dictionary; revised edition by C.F. Tweney and L.E.C. Hughes. London, Chambers, 1957. 1028p. 35/- (The aim of this dictionary is to give, definitions of terms that are of importance in pure and applied science, in all branches of engineering and construction, and in the larger manufacturing industries and skilled trades. It was first published in 1940).

Churchman, C. West. Theory of experimental inference. N.Y. Macmillan, 1957. 292p. \$ 5.00 (The author has attempted to show that besides certain statistical considerations, the self-conscious experimenter must take into account very general problems concerning the natural universe within which he is solving his special problems).

Churchman, C. West and others. Introduction to operations research. N.Y., Wiley, 1957. 645p. (This book has two objectives - 1) to provide prospective consumers of operations research with a basis for evaluating the field and 2) to provide potential practitioners with a survey of the field). CSIR

Cohen, Morris R. and Nagel, Ernest. An introduction to logic and scientific method. London, Routledge, 1957. 467p. 30/- (This book seeks to bring some order into the confusion of tongues concerning the subject matter of logic. It aims to combine sound logical doctrine with sound pedagogy).

Conant, James B. Science and common sense. New Haven, Yale Univ. Press, 1961. 345p. (In this the Author narrates that science has become increasingly an activity in which government must play a constructive role. Basically this book is an attempt to solve a different pedagogical problem, namely, providing the non-scientist with some understanding of the way scientists operate). NAL

Cottrell, Fred. Energy and society; the relation between energy, social change and economic development. N.Y., McGraw-Hill. 330p. \$ 2.95 (This book traces man's use of energy available from animals to steam power and electricity, and indicates broadly the influences on social interrelations). NAL

Fowler, W.S. The development of scientific method. Oxford, Pergamon, 1962. 116p. 10/- (This book issued by The Commonwealth and International Library of Science, Technology and Engineering to cover the needs of instructors and pupils in all types of schools and educational institutions).

Frank, Philip G., ed. The validation of scientific theories. Boston, Beacon Press, 1956. 242p. \$ 5.00 The papers published in this book were first presented at the annual meeting of the American Association for the Advancement of Science in Boston, Massachusetts, Dec. 1953 and sponsored by the Institute for the Unity of Science, National Science Foundation and other bodies).

Franklin, T. Bedford. Science and reality. London, G. Bell & Sons, 1947. 56p. (This book gives a brief sketch of relationship between science and theology). NBG

Gamow, George. One, two, three ... infinity: facts and speculations of science. New York, New American Library, 1960. (This book is an attempt to collect the most interesting facts and theories of modern science in such a way as to give the reader a general picture of the universe in its microscopic and macroscopic manifestations, as it presents itself to the eye of the scientists of today). NBG

Gardner, Martin. Fads and fallacies in the name of science; 2nd edition. N.Y., Dover, 1957. 363p. \$ 1.50 (First published in 1952 under the title 'In the name of science', the book examines the various fads, fallacies, strange cults and curious panaceas which at one time or another have masqueraded as science).

Gillespie, Charles Coulston. The edge of objectivity: an essay in the history of scientific ideas. Princeton, N.J., Princeton Univ. Press, 1960. 562p. \$ 7.50 (The purpose of this book is to set out in narrative form the structure in the history of classical science; bibliographical essay-pages 521-43).

Hogben, Lancelot. Science in authority: essays. London, Unwin Univ. Books, 1963. 157p. 18/- (Though the starting point of essay is biological, the author reaches out to symbolic logic, medical statistics, racialism etc.)

Hogg, J.T. Science for all. London, Ward Lock & Co., 1950. 255p. (The object of this book is to put before the reader a number of generalities on science). NBG

Joravsky, David. Soviet Marxism and natural science, 1917-1932. London, Routledge and Kegan Paul, 1961. 435p. 45/ (History of interaction between Marxism and natural science; bibliography-pages 391-422).

Kemeny, John G. A philosopher looks at science. Princeton, N.J., Van Nostrand, 1959. 273p. \$ 6.50 (This is a book on the philosophy of science, bibliography - pages 265-69).

Leavis, F.R. Two cultures ? : the significance of C.P. Snow. London, Chatto and Windus, 1962. 45p. 7/6 (This is Richmond lecture, 1962; with an essay on 'Sir Charles Snow's Rede lecture' by Michael Yudkin).



Madden, Edward H., ed. The structure of scientific thought; an introduction to philosophy of science. London, Routledge, 1960. 381p. 35/- (The selections are divided into seven groups, 1) Making sense of science, 2) Philosophical problems of physics, 3) Biology and the sciences of man, 4) The meaning of 'cause' and 'law', 5) Probability notions, 6) The riddle of induction, 7) Science and values.)

Needham, Joseph. Science and civilization in China. Cambridge, Univ. Press, 1954-9. 290/- for 3 vols. (The scientific contribution of China is the theme of this work. Vol. 1 - Introductory orientations, Vol. 2 - History of scientific thought, Vol. 3 - Mathematics and the sciences of the heavens and the earth).

Price, Derek J. De Solla. Little science, big science. N.Y., Columbia Univ. Press, 1963. 119p. \$ 4.50 (This book gives an idea of the phenomenal increase of scientific literature during recent years).

Price, Derek J. de Solla. Science since Babylon. New Haven, Yale Univ. Press, 1961. 149p. \$ 4.50 (This book had its origin in five public lectures given at the Sterling Memorial Library at Yale University during October and November 1959. It is an analysis of the roots of our civilization, its present structure and probable future). USIS

Price, Don K. The scientific estate. Cambridge, Mass., Harvard, 1965. 323p. \$ 5.95 (The Author discusses the problem of the new political status of science in relation to more fundamental questions - the nature of scientific knowledge and the way in which that knowledge bears on human purposes and human freedom).

Pyke, Magnus. Slaves unaware? : a mid-century view of applied science. London, John Murray, 1959. 208p. 16/- (The book is divided in three parts - 1) What science is, 2) Science for productivity, and 3) Science and teaching).

Rabinowitch, Eugene. Dawn of a new age: reflections on science and human affairs. Univ. of Chicago Press, 1963. 332p. \$ 6.95 (The Author presents manifold problems of the nuclear age. He suggests that international cooperation among scientists and their scientific talents is the only solution to prevent nuclear war. He has devoted much attention on science, scientists and international policy). NAL

Singer, Charles. Short history of scientific ideas to 1900. Oxford, Clarendon Press, 1960. 525p. (This book gives an idea of how science came to occupy its distinctive position in the life of our own time). NBG

Snow, C.P. The two cultures: and a second look; 2nd edition. Cambridge, Univ. Press, 1964. 107p. 10/6 (This is an expanded version of 'The two cultures and the scientific revolution' -- a Rede Lecture at Cambridge in May 1959. It describes the increasing gulf between scientists and writers.)

Sullivan, J.W.N. The limitations of science: a creative scientists' approach to the unknown. Viking Press, 1933. 192p. \$ 0.50 (The Author emphasises the present-day science as limited but the potentialities as limitless). NAL

Taton, Rene, ed. Ancient and medieval science. London, Thames and Hudson, 1963. 551p. (This book deals with the long period scanning the first scientific groupings of prehistoric man and the middle of the 15th century, which heralded the beginnings of modern science). NBG

Zuckerman, Sir Solly. Scientists and war: the impact of science on military and civil affairs. London, Hamish Hamilton, 1966. 177p. 21/- (In this book the Author explores the relationship of the scientist to the military man. He discusses some of the economic and cultural consequences of the allocation of vast resources to defence research and development).

#### (e) Industrial Research

American Association for the Advancement of Science. Industrial science, present and future. Washington, D.C., Association, 1952. 152p. (A collection of papers presented at the installation of the Section on Industrial Science of the AAAS at the Philadelphia meeting on Dec. 28-30, 1951). USIS

American Management Association. Achieving full value from R & D dollars. N.Y., AMA, 1962. 108p. \$ 3.00 (This report deals with various approaches to improved effectiveness and efficiency in research and engineering programs. The need is stressed for more alert management at all stages of the corporate R & D effort. The papers were originally presented at an AMA Briefing Session on Research and Engineering held in Oct. 1961).

American Management Association. The commercialization of research results. N.Y., AMA, 1957. 99p. \$ 3.00 (In this book, executives with experience in all phases of long-range planning and research management discuss the various aspects of a successful development program).

American Management Association. Creativity: key to continuing progress. N.Y., AMA, 1960. 27p. (This book contains four articles on different aspects of creativity).

American Management Association. Creativity in industrial scientific research, by John R. Hinrichs. N.Y., AMA, 1961. 39p. \$ 1.50 (A critical survey of current opinion, theory and knowledge).

Auger, Pierre. Current trends in scientific research. Paris, Unesco, 1963. 245p. (Survey of the main trends of inquiry in the field of the natural sciences, the dissemination of scientific knowledge and the application of such knowledge for peaceful ends). CSIR

Bates, R.S. Scientific societies in the United States; 2nd edition. N.Y., Columbia Univ. Press, 1958. 297p. \$ 6.50 (An account of history and work of American Societies).

Bichowsky, F. Russell. Industrial research. Brooklyn, N.Y., Chemical Pub. Co., 1942. 126p. (The purpose of this book is to display the social importance of research and to outline those general principles of management and organization which have proven successful in the laboratory). USIS

Birr, Kendall. Pioneering in industrial research: the story of the General Electric Research Laboratory. Washington, D.C., Public Affairs Press, 1957. 204p. \$ 4.50 (This institutional study is designed to offer a detailed picture of the operations of an exceptionally successful research institution. The study aims to present a detailed picture of laboratory's organization and administration and to demonstrate at some length the laboratory's shifting scientific interests and accomplishments. 13 pages of bibliographical source notes).



- Bright, James R. Research, development, and technological innovation: an introduction. Homewood, Illinois, Irwin, 1964. 783p. \$ 10.00 (The impact of technological change is extremely severe and disrupting. Conventional business school training is not adequate for this environment. It is necessary to create a sound understanding of technological innovation and its problems for all managers. The goal of this book is to provide this basic background for all students of management. 5-page bibliography).
- Bush, George P. and Hattery, Lowell H., eds. Teamwork in research. Washington, D.C., American Univ-Press. 1953. 191p. (This volume is adapted from the proceedings of the Third Institute on Administration of Scientific Research and Development presented at Washington, D.C. by The American University with the cooperation of the National Research Council and the American Association for the Advancement of Science). USI
- Cardwell, D.S.L. The organisation of science in England: a retrospect. London, Heinemann, 1957. 204p. 18/- (The author has confined himself to scientists so far as they are the products of a complex educational machinery and the potential employees of specialised agencies. The study is limited to the period 1800-1914).
- Carter, C.F. and Willians, B.R. Investment in innovation. London, OUP, 1958. 167p. 15/- (This book is a study of a part of the subject, which arises out of the work of the Science and Industry Committee appointed by the Royal Society of Arts and others to investigate factors influencing the rate of adoption of new scientific and technical ideas by British Industry).
- Chaudhari, P.C. Science and progress, by P.C. Chaudhuri. Calcutta, Delia Chaudhuri, 1962. 130p. Rs.6.00 (The Author describes briefly the history of scientific achievement and the status of science in India today).
- Colborn, Robert, ed. Modern science and technology. Princeton, New Jersey, Nostrand, 1964. 746p. (This is a selection of eighty-one articles on various phases of modern investigation of the physical world). CSIR

Conference on Industrial Research, 1952. Research operations in industry: papers delivered at the third annual Conference on Industrial Research, June 1962, with selected papers from the first and second conferences. N.Y., King's Crown Press, 1953. 453p. (Sponsored by the Dept. of Industrial Engineering, Columbia University). USIS

Crombie, A.C., ed. Scientific change: historical studies in the intellectual, social and technical conditions for scientific discovery and technical invention, from antiquity to the present. London, Heinemann, 1963. 396p. 105/- (This book is the outcome of a symposium, under the title 'The structure of scientific change,' held at Oxford on the 9-15 July 1961 on the authority of the Oxford Univ. Committee for the History and Philosophy of Science).

Crow, Duncan. Scientific research. New Delhi, British Information Services, 1965. 40p. (This book describes Britain's research organisations and their functions). CSIR

Czechoslovak Academy of Sciences. Science in Czechoslovakia and the Czechoslovak Academy of Sciences. Prague, Academy, 1966. 173p. (Historical survey of the network of scientific research institutions; the Academy was established in 1952). CSIR

Davis, Watson. The century of science. New York, Duell, Sloan and Pearce, 1963. 313p. \$ 5.95 (A record of man's achievement in aviation, communications, rockets and space, electronics, chemistry, health and medicine, the earth sciences, nuclear physics and a dozen other vital areas). USIS

Dearborn, DeWitt C. and others. Spending for industrial research, 1951-1952. Boston, Massachusetts, Harvard Univ., 1953. 103p. \$ 2.50 (This is a survey of spending for research and development by industrial companies in 1951 and 1952. The survey was undertaken by Division of Research, Graduate School of Business Administration). USIS

Economic and Scientific Research Foundation. Research and industry: seven case histories. New Delhi, ESRF, 1966. 115p. Rs.7.50 (This is a collection of case histories of new research applications developed indigenously and throws light on some of the problems faced by innovators in marketing their ideas).

Economic and Scientific Research Foundation. Research technology and industry. New Delhi, Foundation, 1965. 43p. Rs.5.00 (Research paper no. 1; this paper examines the relationship between science and technology on one hand, and technology and industry on the other, with a view to understanding the role of 'technological innovation' in the process of economic growth).

Edwards, Ronald S. Co-operative industrial research. London, Pitman, 1950. 285p. 20/- (A study of the economic aspects of the Research Associations grant-aided by the Dept. of Scientific and Industrial Research, U.K.).

Erdey - Gruz, Tibor and Trencsenyi - Waldapfel, I. Eds. Science in Hungary. Budapest, Corvina Press, 1965. 315p. (Contributions on different sciences, first contribution is on 'Principal features of the organization of scientific research in Hungary'). CSIR

Friedman, Paul. The principles of scientific research; 2nd edition. London, Pergamon Press, 1960. 228p. (First published in 1949, the Author has endeavoured to be brief, to present the matter as clearly as possible, to keep mathematics to the barest minimum, and to give, whenever possible, simple examples illustrating the principles expounded). CSIR

Garrett, Alfred B. The flash of genius. Princeton, Van Nostrand, 1963. 249p. \$ 6.50 (This is a collection of fifty-one discoveries in the fields of chemistry and physics, describing in the discoverer's own words, in so far as possible, the key event or experiment that led to the discovery).

Gartmann, H. Man unlimited: technology's challenge to human endurance; translated from the German by Richard and Clara Winston. London, Jonathan Cape, 1957. 221p. 18/- (Original work published in 1955; Is man the link in the chain of technology? - this question is answered in this book).

Gartmann, Heinz. Science as history: the story of man's technological progress from steam engine to satellite; translated from the German by Alan G. Readett. London, Hodder, 1960. 348p. 25/- (Bibliography-pages 337-43).

Gould, Sidney, ed. Sciences in Communist China: a symposium presented at the New York meeting of the American Association for the Advancement of Science, Dec. 26-27, 1960. Washington, D.C., The Association, 1961. 872p. 140/- (Publication No. 68; the general purpose of the symposium was to improve communication to Western audiences of the results of scientific research conducted in China).

Gray, Dwight E. and Coutts, John W. Man and his physical world. New York, Nostrand, 1962. 682p. (Emphasis is on methods, history and theories of physical sciences. Topics are discussed in interrelated manner to give the book as a whole recognizable continuity, with each section flowing logically from the one that precedes it and leading naturally into the one that follows. For the most part, the approach is historical).  
NBG

Gruber, Ruth, ed. Science and the new nations: the proceedings of the International conference on science in the advancement of new states, at Rehovoth, Israel. N.Y., Basic Books, 1961. 314p. \$ 6.50 ( The conference was sponsored by the Weizmann Institute of Science and was held in the summer of 1960).

Habbakur, H.J. American and British technology in the nine-teenth century: the search for labour-saving inventions. Cambridge, Uni. Press, 1962. 222p. 32/6 (In this book nineteenth-century developments in technology are reexamined; the work originated in lectures given at Columbia University in the autumn of 1958).

Hagen, Everett E. Handbook for industry studies. Glencoe, Illinois, Free Press, 1958. 89p. (This book will be useful to research workers studying economic development in underdeveloped countries. It is published on behalf of 'The Center for International Studies, Massachusetts Institute of Technology). USIS

Marshall, Sir H. Frank and Hetherington, A.L. Industrial research and development in the United Kingdom: a survey. London, Faber and Faber, 1945. 375p. 25/- (The contents are divided into five parts- 1) Productive industries, 2) Research for the community, 3) Government action, 4) Independent institutions affecting industrial progress, and 5) General factors affecting industrial progress).

Holland, Maurice and others. Management's stake in research. N.Y., Harper, 1958. 143p. \$ 3.50 (The purpose of the book is to bring industrial research into the focus of its role in industry as an essential tool of management, it is a reportage on how it is being done).

Holmstrom, J. Edwin. Records and research in engineering and industrial science; 3rd edition. London, Chapman & Hall, 1956. 491p. 60/- (The object of this book to serve as a guide to the sources of technical knowledge; bibliography - pages 446-76).

Industrial research in Britain, 4th edition by A.W.Haslett. London, Harrap Res. Pub., 1962. 461p. 84/- (This book gives an account of the industrial research activities of the government, research organisations, universities and professional and learned societies).

Klemm, Friedrich. A history of Western technology. London, Allen & Unwin, 1959. 401p. 32/- (Translated by D.W. Singer from the German original published in 1954, this book derives from a series of lectures delivered by the Author on the history of the exact sciences and technology, bibliography - pages 389-92).

Korol, Alexander G. Soviet research and development: its organization, personnel, and funds. Cambridge, Mass., M.I.T. Press, 1965. 375p. \$ 11.00 (Study sponsored by the Office of Economic and Manpower Studies, National Science Foundation).

Lothrop, Warren C. Management uses of research and development. N.Y., Harper, 1964. 148p. \$ 4.00 (The volume is primarily addressed to the businessman or the security analyst who is concerned with the place of technology in a consumer - oriented industry).



Meier, Richard L. Science and economic development: new patterns of living. N.Y., Wiley, 1956. 266p. \$ 6.00 (This book traces out a new path for economic development which is suggested by postwar discoveries in science and technology. This book is co-published by the Technology Press of Massachusetts Inst. of Technology).

Melville, Henry. The Department of Scientific and Industrial Research. London, Allen & Unwin, 1962. 200p. 25/- (No. 9 in New Whitehall Series prepared under the auspices of the Royal Institute of Public Administration, the book gives an outline of how the DSIR meets its statutory obligations to encourage, promote and undertake scientific research and shows how the present organisation has developed over the last forty-five years. The author has been Secretary to the CSIR, and head of DSIR since 1956).

National Industrial Conference Board. Research and development: its growth and composition. N.Y., NICB, 1963. 115p. \$ 3.00 (Written by N.E. Terleckyj and H.J. Halper, Studies in Business Economics, No.82, describes the growth trends in research and development in USA and relates the volume of research to the volume of productive activity and capital investment)

Oliver, John W. History of American technology. N.Y., Ronald, 1956. 676p. (This historical survey is divided into four parts - 1) from Jamestown and Plymouth to the American revolution, 2) from American revolution to the civil war, 3) from civil war to 1900, 4) from 1900 to the present). USIS

Recent advances in Soviet science. London, Harrap, 1961. 224p. 25/- (This is a collection of articles taken from authoritative Soviet sources. The subject matter ranges from advances in atomic energy and automation to progress in medicine, agriculture, education and town planning). NAL

Reid, E. Emmet. Invitation to chemical research. Palisade, New Jersey, Franklin Pub. Co., 1963. 366p. \$ 10.<sup>60</sup> (This is a how-to-do-it book. Emphasis is put on the fact that research is not magic but a combination of careful experimenting, close observing, and logical thinking, the result being proportional to the quality and quantity of these simple ingredients). CSIR

- Rigby, Paul H. Conceptual foundations of business research. N.Y., Wiley, 1965. 215p. \$ 5.50 (This book seeks to provide the reader with an understanding of the kind of problems which scientific research seeks to solve and the approach it takes in solving them. It indicates the information which research seeks to develop and its various contributions to problem solving and decision making in the business firm; bibliography pages, 207-11).
- Roberts, Edward B. The dynamics of research and development. N.Y., Harper & Row, 1964. 352p. \$ 10.95 (By using the recently developed concepts of industrial dynamics, the Author here reveals a new systems method for studying and managing R and D. This identifies the essential policies and decisions that result in successful R and D projects, frames a general theory for explaining relationships between cause and effect, and then constructs mathematical models as specific measurement devices).
- Roethlisberger, F.J. and Dickson, William J. Management and the worker. Cambridge, Mass., Harvard Univ. Press, 1939. 615p. \$ 6.00 (An account of a research program conducted by the Western Electric Company, Hawthorne Works, Chicago. The book offers a continuous history of the entire series of experiments and relates together the many different inquiries).
- Seiler, Robert E. Improving the effectiveness of research and development. N.Y., McGraw-Hill, 1965. 210p. \$10.00 (Three major areas of investigation would be most productive - 1) application of quantitative methodology to R & D, 2) budgetary planning of R & D, and 3) project-selection methodology. These areas are emphasized in this book. This study was jointly financed by College of Business Administration Research Program, Univ. of Texas and Sandia Corporation).
- Silk, Leonard S. The research revolution. N.Y., McGraw-Hill, 1963. 244p. \$ 1.95 (The aim of the book is to consider the impact of outpouring research expenditures upon the American economy and society generally).

Singer, Charles and others, eds. A history of technology. (5 volumes). London, Oxford Univ. Press, 1956-58. 168/- each volume. (Vol. I - From early times to fall of ancient empires, 856p. Vol. II - The Mediterranean civilizations and the middle ages, 700 B.C. to A.D. 1500, 802p. Vol. III - From the renaissance to the industrial revolution, 1500-1750, 766p. Vol. IV - The industrial revolution, 1750 to 1850, 728p. Vol. V - The late nineteenth century, 1850 to 1900, 888p.).

Slamecka, Vladimir. Science in Czechoslovakia. N.Y., Columbia Univ. Press, 1963. 175p. \$ 6.00 (This book describes the present organization of science and engineering research carried out on three levels: academies of science and professional societies, universities, and industry ).

Slamecka, Vladimir. Science in East Germany. N.Y., Columbia Univ. Press, 1963. 124p. \$ 5.00 (This report gives a brief account of present-day science in East Germany, it is primarily a practical guide to the organization, the research installations, and the information sources of East German science and technology).

Srinivasan, N. Plan for national aviation development for India. Madras Institute of Technology. 70p. (Apart from defence requirements India needs various designs of aircrafts for civilian use. This book will stimulate interest in this nascent industry and will attract the attention of technologists and scientists).

Stanford Research Institute. International Industrial Development Center. Scientific research and progress in newly developing countries, by Eugene Staley and David C. Fulton. Menlo Park, the Center, 1961. 48p. \$ 3.00 (Based on a Working Group's discussions focused on ways in which technology might help the developing countries to achieve their aims of development).

Stewart, Irvin. Organizing scientific research for war: the administrative history of the Office of Scientific Research and Development. Boston, Little, Brown & Co., 1948. 358p. (This book outlines the overall committees, special committees, divisions, panels, and the chairman's office of OSRD, as well as the various research groups and the Office of Field Service. It tells how liaison was achieved with the armed services and allied governments ). USIS



Thomas, Morgan. Atomic energy and Congress. Ann Arbor, Univ. of Michigan Press, 1956. 301p. \$ 4.75 (The Institute of Public Administration at the Univ. of Michigan was the parent organization for the group of researchers who did this work. It is based on documentary material and interviews).

Van Doren, Harold. Industrial design: a practical guide to product design and development; 2nd edition. N.Y., McGraw-Hill, 1954. 379p. (This book is addressed to engineers and draftsmen who have certain types of design problems to solve and also to business executives, with the hope that it will bring to focus the proper relationship between their own personnel and the professionals they engage to perform this specialised service). NAL

White, Frederick A. American industrial research laboratories. Washington, D.C., Public Affairs Press, 1961. 228p. \$ 6.00 (This book attempts to provide a first order spectrum of the industrial laboratory's contributions to science itself. The author has visited forty major laboratories throughout the United States and talked with research directors and others who supplied not only facts but perspective; bibliography - pages 214-17). USIS

Wilson, E. Bright, Jr. An introduction to scientific research. New York, McGraw-Hill, 1952. 375p. (This book is an attempt to collect in one place and to explain as simply as possible a number of general principles, techniques, and guides for procedure which successful investigators in various fields of science have found helpful). USIS

(f) Agricultural Research

Aiyer, A.K. Yegna Narayan. Village improvement and agricultural extension; 2nd edition. Bangalore, Bangalore Printing & Pub. Co., 1958. 222p. Rs.8.75 (The Author was an agricultural officer in the Mysore state. He has brought together in this book his thought and experiences in the work of popularisation and introduction of improved agricultural practices).

- American Association for the Advancement of Science. Agricultural sciences for the developing nations: a symposium...; edited by Albert H. Moseman. 1964. 221p. 68/- (This symposium presented at the Cleveland meeting of the AAAS in 1963, was devoted to the role of agricultural science and technology in the acceleration of economic progress in newly developing nations).
- Bliss, R.K. and others, eds. The spirit and philosophy of extension work as recorded in significant extension papers. Washington, Graduate School, U.S. Dept. of Agriculture, 1952. 393p. \$ 4.50 (This book records in their own words the vision of many of the pioneers in extension work and brings together important declarations of policy and philosophy that have guided the federal and state extension services through the years).
- Bramley, Margaret. Farming and food supplies: the case for expansion of British agriculture. London, George Allen and Unwin, 1965. 131p. 20/- (This book examines the case for further expansion against the background of mass hunger and rising population in many parts of the world. The possibility of a general food shortage is considered with its grave implications for Britain).
- Britnell, G.E. and Fowke, V.C. Canadian agriculture in war and peace, 1935-50. Stanford, California, Stanford Univ. Press, 1962. 502p. \$ 8.75 (This volume sets out the basic elements of agricultural policy and the conditions of food supply in Canada during the Second World War. Its purpose is to note the impact of war upon the Canadian agricultural producer, to outline the readjustments which were made in response to this impact and to indicate the steps which the Canadian farming community returned to peacetime circumstances).
- Brunner, Edmund deS. and Yang, E. Hsin Pao. Rural America and the extension service: a history and critique of the cooperative agricultural and home economics extension service. N.Y., Bureau of Publications, Teachers College, Columbia Univ., 1949. 210p. \$ 3.00 (In this volume the developing history and program of the United States Extension Service are viewed as the product of the changing social and economic milieu within which it functions and of which it was, and is, a part).

Buck, John Lossing and others. Food and agriculture in Communist China. New York, Praeger, 1966. 171p. \$ 6.00 (This book contains four essays. The first essay by J.L. Buck constitutes the groundwork in Chinese agricultural statistics. In the second essay by Yuan-li Wu attempt is made to determine the causes of inaccuracy in statistical reporting on food production. Third and Fourth essays by Owen L. Dawson deal with fertilizers and irrigation respectively).

Conference on 'Agriculture in the British economy.' London, Imperial Chemical Industries Limited, 1957. 311p. 21/- (Proceedings of Conference held in Nov. 1956, consider the part which home agriculture, could or should, play in providing for future food requirements of U.K.).

Dahama, O.P. Extension and rural welfare; 4th edition. Agra, Ram Prasad & Sons, 1966. 708p. Rs.12.50 (The contents are grouped under seven parts- 1) Community development, 2) Extension education, 3) Educational psychology, 4) Rural sociology for extension workers, 5) Rural welfare 6) Extension administration, 7) Programme planning and its execution).

Darin-Drabkin, Dr. H. The other Society. London, Victor Gollancz, 1962. 356p. 35/- (The book comprises four sections. First is mainly descriptive depicting the day-to-day mechanism of the economic and social activity of kibbutz, the second examines its economic efficiency. The third section seeks to examine to what extent the kibbutz has integrated into the surrounding society and the last section is dedicated to an examination of the specific contribution made by the kibbutz towards the solution of the problems of modern society).

Dodge, Bertha S. Plants that changed the world. London, Phoenix, 1962, 174p. 15/- (This book is an attempt to describe some of the plant products that have helped make history).

Duckham, A.N. The farming year: agricultural synthesis. London, Chatto and Windus, 1963. 525p. 75/- (This book has two objectives. First, to analyse and explain, in terms of science, economics and work energy, the operations of the farming year. Second, to make, from this data, a synthesis which will prove useful to the reader and stimulate the next generation to seek and set up the quantified principles we need).

Dumont, René. Lands alive (Terres Vivantes). London, Merlin Press, 1965. 247p. 35/- (This book explains how the agricultural progress can be abundant and swift enough never to be overwhelmed by the demographic flux. Translated from the French by Suzanne and Gilbert Sale).

Fay, Ivan G. Notes on extension in agriculture. Bombay, Asia, 1962. 204p. Rs.10.00 (The early movements of agricultural extension in India are clearly outlined.

Stress is laid on the importance of personal meeting, the group discussion method, visual and audio-visual aids and youth clubs).

Garg, J.S. Agricultural extension (scope & methods) and community development; 2nd edition. Agra, Gaya Prasad & sons, 1961. 380p. Rs.12.50 (This book has been prepared for the use of graduate students of agriculture. It is the result of an effort to bring together the information available on the subject of agricultural extension, lying scattered in the publications of FAO, Ministry of Community Development and others).

Ghose, R.L.M. and others. Rice in India. New Delhi, Indian Council of Agricultural Research, 1956. 507p. Rs.21.00 (This book gives comprehensive information on the work done in the fields of agriculture, marketing and technology of rice).

Gittinger, J. Price. Planning for agricultural development: the Iranian experience. Washington, National Planning Association, 1965. 121p. \$ 2.00 (This publication of NPA's Center for Development Planning is a second monograph issued in the Centre's "Planning experience series". It recounts how the agricultural portion of the third five year plan for Iran which began in 1962 was prepared).

Gray, Howard Levi. English field systems. London, Merlin Press, 1959. 568p. 63/- (This book deals with the settlement of England and the history of British agriculture).

Griswold, A. Whitney. Farming and democracy. New Haven, Yale Univ. Press, 1963. 227p. \$ 5.00 (This is a book about an idea - that farming as a family enterprise is the backbone of democracy. The book discusses the origin of the idea, its historic influence on public policy in Great Britain, France and the United States, and its possible significance for the future of both American agriculture and American democracy.)

Groenveld, D. Investment for food. Amsterdam, North-Holland Pub. Co., 1961. 146p. 13/6 (This study discusses the factors which determine at what level investments for food production should be made to ensure the growth in the supply of food in line with effective future demand).

Halperin, Haim. Agrindus: integration of agriculture and industries. London, Routledge and Kegan Paul, 1963. 214p. 35/- (The stormy revolution we are witnessing at the beginning of the atomic age has brought the village to the brink of disintegration. The purpose of this book is to present the problem of the village as a social, organizational, political, economic and technological category which is in the throes of crisis).

Hathaway, Dale E. Government and agriculture: public policy in a democratic society. N.Y., Macmillan, 1963. 412p. \$ 8.95 (This is a book about agricultural policy in the United States since Second World War. It deals with economic background and consequences of various policy proposals).

Heady, Earl O. and Dillon, John L. Agricultural production functions. Ames, Iowa, Iowa State Univ. Press, 1961. 667p. \$ 6.95 (This book summarizes certain concepts and methods relating to the prediction and use of agricultural production functions. Emphasis is on concepts, principles, and methodological results. Practical application is considered to be a second step in communicating principles and prediction for farmer use).

Howard, Louise E. Sir Albert Howard in India. London, Faber and Faber, 1953. 272p. 21/- (The scientific investigations carried out by Sir Albert Howard during his career in India are explained in this book. They illuminate modern practice under tropical conditions. Throughout the years passed by him in India an early and sustained interest was displayed in putting agricultural research into its right relation with the needs of the people).

Jacoby, Erich H. Agrarian unrest in Southeast Asia. 2nd ed. Bombay, Asia Pub. House, 1961. 279p. Rs.17.00 (The Author has analyzed the impact of the political, economic and social developments of the last decade on the agrarian situation).



Jain, Dr. Sharad Chandra. Problems and policies of Indian agriculture. Allahabad, Kitab Mahal, 1963. 192p. Rs.7.50 (This study is mainly devoted to analysing and critically examining the major problems that confront our agriculture today in the light of the existing agricultural policies).

Japan FAO Association, Tokyo. Agriculture at the crossroads: what are Japanese farmers thinking of tomorrow? Tokyo, Association, 1961. 82p. \$ 2.50 (This is a book on farmers' life, thoughts, and performances. It shows how the farmers have adapted themselves to the new situation brought about by land reforms, successive bumper crops, striding development of agricultural technique etc.).

Kool, Rudolf. Tropical agriculture and economic development. Wageningen, H. Veenman & Zonen, 1960. 151p. Rs.12.00 (This book deals with economic consequences of natural conditions, labour output of the tropical farmer, marketing research for tropical products etc.).

Kelsey, Lincoln David and Hearne, C.C. Cooperative extension work; 3rd edition. Ithaca, N.Y., Comstock Publishing Associates, 1963. 490p. \$ 6.75 (This book has been prepared for use by upperclassmen and graduate students in cooperative extension education. The Authors have brought together information which every extension worker should have at hand).

Knight, Sir Henry. Food administration in India 1939-47. Stanford, California, Stanford Univ. Press, 1954. 323p. \$ 7.50 (The object of this study is to trace how food administration in India during and after the war developed from nothing to almost as complete a system of food control as in any Western Country, and to state briefly the measures taken to increase India's food production).

Laird, Roy D., ed. Soviet agricultural and peasant affairs. Lawrence, Univ. of Kansas Press, 1964. 335p. 60/- (These are reports presented at the Conference on Soviet Agricultural and Peasant Affairs, Sep. 20-22, 1962. The symposium considers such questions as-What are the changes in rural situation, results of Krushchev's reforms, impact of new incentives etc.)



- Laird, Roy D. and Crowley, Edward L., eds. Soviet agriculture: the permanent crisis. N.Y., Praeger, 1965. 209p. \$ 7.00 (This volume is an outgrowth of the International Symposium on Soviet Agriculture held at the Institute for the Study of the USSR in Munich, Germany, in February 1964. It includes discussion on revolutionary situation, campaign for intensification etc.).
- Kumar, L.S.S. and others. Agriculture in India; Vol. I: general. Bombay, Asia, 1963. 252p. Rs.14.00 (This book gives details regarding plant forms, their functions and the chemistry of agriculture in general. It gives an interesting survey of soil and crop management of some of the agricultural commodities sown and harvested in India. It also deals with animal industry).
- Martin, Anne. Economics and agriculture. London, Routledge and Kegan Paul, 1958. 169p. 21/- (This book deals with only those parts of economics that are most directly relevant to agriculture, whether for the study of production on the individual farm, or for consideration of the problems of the agricultural sector of the economy as a whole. It contains two chapters on public policy, pages 85-138).
- Moriarty, M.J., ed. New Zealand farm production and marketing. Wellington, New Zealand Institute of Public Administration, 1963. 98p. 24/- (This book discusses the organisation of the farming industry and the relationship of price fixing schemes to production policies. Contain an article on 'Research and its application' by C.P. McMeekan, p. 30-45).
- Mosher, Arthur T. Getting agriculture moving: essentials for development and modernization. N.Y., Praeger, 1966. 190p. 18/- (This book is about making agriculture more productive to the country in which it is located while providing a better living for the farm people who engage in it. It deals with needs and problems at early stages of agricultural development).
- Mundlak, Yair. An economic analysis of established family farms in Israel, 1953-1958. Jerusalem, Falk Project for Economic Research in Israel, 1964. 172p. 30/- (This work analyzes data collected in a sample of 66 established moshav farms located in six villages in various parts of the country).

Nash, E.F. and Attwood, L.A. The agricultural policies of Britain and Denmark: a study in reciprocal trade. London, Land Books, 1961. 94p. 15/- (The Authors have traced the essential features in the history of Danish agricultural production in which Britain has been the primary market. They make some constructive suggestions about the changes that are necessary for the future economic health of British agriculture).

National Council of Applied Economic Research. Factors affecting fertilizer consumption: problems and policies. New Delhi, NCAER, 1964. 104p. Rs.7.50 (This study analyses the main impediments to the use of commercial fertilisers and suggests ways of encouraging their consumption. The findings are based on the results of a sample survey).

Ogura, Takekazu, ed. Agricultural development in modern Japan. Tokyo, Japan FAO Association, 1963. 688p. (This symposium contain thirty chapters divided into three parts. The first deals with the economic aspects of agriculture, the second with the legal and the third with the technological).

Phillips, John. The development of agriculture and forestry in the tropics : patterns, problems, and promise. London, Faber and Faber, 1961. 212p. 42/- (The Author discusses the problems facing the tropical countries and the promise inherent in their natural resources, with special reference to their ecology and the bioclimatic divisions into which they fall).

Randhawa, M.S. Agricultural research in India: institutes and organisations. New Delhi, Indian Council of Agricultural Research, 1958. 448p. Rs.20.00 (The book provides an integrated account of research institutions, their organisation and activities).

Randhawa, M.S. Agriculture and animal husbandry in India. New Delhi, Indian Council of Agricultural Research, 1958. 364p. Rs.15.00 (This book contains information about all the important food and commercial crops of India. Facts regarding production of different crops as well as their important varieties are given. Facts are also given about breeds of cattle, sheep and goats, poultry and fishes which are of commercial importance).

- Randhawa, M.S. and Nath, Prem. Farmers of India, Vol. I: Punjab, Himachal Pradesh, Jammu & Kashmir. New Delhi, Indian Council of Agricultural Research, 1959. 302p. Rs.14.00 (The book tells the story of the sons of the soil, of their character, community life and economic condition. The account is realistic and illuminated by a profound understanding of rural life in different states as shaped by history, geography, climate and religion).
- Randhawa, M.S. and others. Farmers of India; Vol. II : Madras, Andhra Pradesh, Mysore & Kerala. New Delhi, Indian Council of Agricultural Research, 1961. 428p. Rs.23.00
- Randhawa, M.S. and others. Farmers of India; Vol. III : Assam, Orissa, West Bengal, Andamans & Nicobars, Manipur, NEFA, Tripura. New Delhi, Indian Council of Agricultural Research, 1964. 429p. Rs.23.00
- Rivlin, Helen Anne B. The agricultural policy of Muhammad Ali in Egypt. Cambridge, Massachusetts, Harvard Univ. Press, 1961. 393p. \$ 8.00 (The purpose of the book is to discover if Muhammad Ali had an agricultural policy and then to describe it. The conclusion reached is that he merely utilized the agricultural wealth of Egypt for the purpose of personal aggrandizement).
- Sanders, H.C. and others, eds. The cooperative extension service. Englewood Cliffs, N.J., Prentice-Hall, 1966. 436p. \$ 8.50 (This volume contains contributions from forty-one experts. It deals with Cooperative Extension Service - its foundations, history, purposes, programs and techniques).
- Self, Peter and Storing, Herbert J. The state and the farmer. London, George Allen & Unwin, 1962. 251p. 30/- (This book deals with agricultural policies and politics in Britain between 1945 and 1961. It deals with the attempts of the Government, working in close cooperation with agricultural organizations, to place British agriculture on a stable and efficient basis).
- Shepherd, Geoffrey S. Farm policy: new directions. Iowa State Univ. Press, 1964. 292p. \$ 6.95 (This book first reviews the early concepts of the farm problem in the United States, and traces briefly the development of the farm programs over the past three decades. It then appraises the programs, and in the light of their revealed inadequacy to deal with the problem, outlines programs of a different kind to take their place).

Shrinivasan, M. A decade of agricultural development in India. Bombay, Asian Studies Press, 1965. 164p. Rs.12.50 (Agricultural development has many faces, technical, organisational, institutional, financial, demographic, sociological etc. Each of these have been dealt separately in this book).

Smith, Thomas C. The agrarian origins of modern Japan. Stanford, Stanford Univ. Press, 1959. 250p. \$ 5.00 (This book sketches the changes and suggests their significance for modern Japan. The changes are - agriculture became competitive, productivity increased, commercial and industrial activity in the countryside flourished etc.).

Wallace, T. and Marsh, R.W., eds. Science and fruit. Bristol, Univ. of Bristol, 1953. 307p. (This book is the outcome of Jubilee activities of Long Ashton Research Station. It presents the general picture of fruit research at the station for over fifty years). NBG

Thorner, Daniel and Thorner, Alice. Land and labour in India. Bombay, Asia, 1962. 227p. Rs.16.00 (Practically all of the articles which make up this book were written between 1952 and 1960. They reflect a number of lines of study into which the Authors have drawn whilst enquiring into the relations between agrarian structure and agricultural production).

Tostlebe, Alvin S. Capital in agriculture: its formation and financing since 1870. Princeton, Princeton Univ. Press, 1957. 232p. \$ 6.00 (This book attempts to measure the growth of capital in U.S.A., to relate this growth of capital to that of the farm labour force and to output; and to discover the principal determinants of investment in the various types of agricultural capital and the sources of financing that made the investments possible.)

Walker, Kenneth R. Planning in Chinese agriculture: socialisation and the private sector, 1956-1962. London, Frank Cass, 1965. 109p. 25/- (Part I provides an introductory description of the institutions established during the socialisation of agriculture; Part II assesses the importance of the private sector and Part III traces the actual movement of the policy towards the private sector).

Williams, H.T., ed. Principles for British agricultural policy. London, O.U.P., 1960. 317p. 18/- (This study was sponsored by Nuffield Foundation. In 1945 the Foundation brought together a group of experts to discuss long-term policy matters. This book is a record of the committee's discussions).

Winnifrith, Sir John. The Ministry of Agriculture, Fisheries and Food. London, George Allen & Unwin, 1962. 271p. 30/- (Part I gives a broad conspectus of the work of the Ministry and an account of its development and expansion. Part II describes The Ministry's work in detail. Part III describes the headquarters and local organization of the Ministry).

(g) Medical Research

American Foundation, New York. Medical research: a midcentury survey. Boston, Little, Brown & Co., 1955. \$ 15.00 (For 2 vols.). (First volume deals with American medical research in principle and practice and second volume deals with unsolved clinical problems in biological perspective. These volumes present modern medicine in its relation to fundamental research in laboratories of biology, chemistry, physics and atomic energy with its radioactive isotopes serving medicine in diagnosis and in therapy). ICMR

Anderson, Gaylord W. and Arnstein, M.G. Communicable disease control: a volume for the health officer and public health nurse. N.Y., Macmillan, 1956. 500p. (This volume is written principally from the standpoint of the community. Emphasis has been placed on those procedures which are designed to protect the population as a group rather than merely the individual).

Association of Teachers of Preventive Medicine. Readings in medical care. Chapel Hill, Univ. of North Carolina Press, 1958. 708p. \$ 6.50 (This book is compiled by the Committee on Medical Care Teaching of the Association; it is divided into thirteen chapters, each of which covers a major aspect of the organization and administration of medical care in the United States).



- Bloomgarden, Hank. Before we sleep. N.Y., Putnam, 1958. 246p. \$ 3.95 (In this book the Author gives his impressions as to what is going on in American medical research. This is an attempt to present medical research not only as something vital to human life, but to explain that it is the integration of many components which are so often ignored by people interested in it and its fruits).
- Borkar, G. Health in independent India: a decade of progress. New Delhi, Ministry of Health, 1957. 224p. (This is a record of the work done by Central Health Ministry and the Health Ministries of the States).
- Field, Mark G. Doctor and patient in Soviet Russia. Cambridge, Harvard Univ. Press, 1957. 266p. \$ 5.00 (This study is divided into three parts - organization, doctor and patient. It presents an account of the state of medicine in Russia from the last days of the tsars to the end of 1956).
- Freeman, Howard E. and others, eds. Handbook of medical sociology. Englewood Cliffs, N.J., Prentice-Hall, 1963. 602p. \$ 8.25 (This is a collection of original articles by experts in four major divisions - 1) Sociology of illness, 2) Practitioners, patients, and medical settings, 3) Sociology of medical care and 4) Strategy, method, and status of medical sociology. Includes two articles on Sociomedical research - pages 423-71).
- Gemmell, Paul F. Britain's search for health: the first decade of the national health service. Philadelphia, Univ. of Pennsylvania Press, 1960. 171p. \$ 5.00 (This book gives the general reader a simple, accurate, objective story of how the Health Service came into being, what it is like today, and how the British people feel about it).
- Green, F.H.K. and Covell, Sir Gordon, eds. Medical research. London, H.M.S.O., 1953. 387p. 40/- (This volume gives a conspectus of officially sponsored medical research by British investigators during the war of 1939-45, in so far as the work was directly related to the war effort).

- Hanlon, John J. Principles of public health administration; 4th edition. Saint Louis, C.V. Mosby Co., 1964. 719p. \$ 11.50 (This book is divided into four parts - 1) Introduction, 2) Administrative considerations in public health, 3) Pattern of public health activities in the United States, 4) The future).
- King, Maurice, ed. Medical care in developing countries: a primer on the medicine of poverty and a symposium from Makerere. London, Oxford Univ. Press, 1966. \$ 22.00 (This book is largely the outcome of WHO/UNICEF conference on "Health Centre and hospitals in Africa").
- Klarman, Herbert E. The economics of health. New York, Columbia Univ. Press, 1965. 200p. \$ 3.95 (The objective of this monograph is to engage the interest of economists in the problems of the health field. It is approached by reviewing the work that economists have performed in health and medical care, by relating this work to the mainstream of economic literature and by indicating some of the interesting and important questions that await exploration).
- Lindsey, Almont. Socialized medicine in England and Wales; the national health service, 1948-1961. Chapel Hill, Univ. of North Carolina Press, 1962. 561p. \$8.50 (This book deals with all aspects of National Health Service- quality of medical and dental care, doctor-patient relationship, functioning of hospitals, administration and cost of NHS, clinical freedom, medical research etc.).
- Lynch, Matthew J. and Raphael, Stanley S. Medicine and the state. Springfield, Illinois, Thomas, 1963. 449p. \$ 10.40 (This is an objective study of the relationship of medicine to the state. It deals with U.S.A., U.K., Germany, Austria, Australia, New Zealand, Canada, U.S.S.R. and Sweden).
- McKeown, Thomas. Medicine in modern society: medical planning based on evaluation of medical achievement. London, George Allen & Unwin, 1965. 234p. 35/- (The purpose of this book is to examine the problems of medical services against the background of an interpretation of medical achievement).

Martin, J.P. Social aspects of prescribing. London, Heinemann, 1957. 180p. 21/- (This book contains an extensive analysis of the relationships between statistics about prescriptions and statistics representing various aspects of the circumstances under which prescribing takes place under British National Health Service. It deals with various elements of the administrative machinery developed in attempts to control the size of the drug bill).

Mustard, Harry S. Government in public health. N.Y., Commonwealth Fund, 1945. 219p. \$ 1.50 (This monograph brings out the rapid extension of the field of public health. It describes the present trend toward increased federal control through the Public Health Service).

Ross, James Stirling. The national health service in Great Britain: an historical and descriptive study. London, Oxford Univ. Press, 1952. 398p. 35/- (This book gives a reasoned account of the Service, tracing first its historical antecedents and the evolution of the policy, and thereafter the story of its planning and institution, its administrative practice, and its larger problems).

Schmeckebier, Laurence F. The public health service: its history, activities and organization. Baltimore, Maryland, Johns Hopkins Press, 1923. 298p. \$ 2.00 (This monograph gives the history of the establishment; its functions; its organisation for the handling of these activities, the character of its plant; a compilation of, or reference to, the laws and regulations governing its operations etc.).

Stern, Bernhard J. Medical services by government; local, state, and federal. New York, Commonwealth Fund, 1949. 208p. \$ 1.50 (This monograph is primarily an inventory, in historical perspectives, of medical services now being provided directly and indirectly by U.S. Government agencies on all levels, local, state and federal).

Thorwald, Jurgen. Science and secrets of early medicine. London, Thames & Hudson, 1962. 331p. (This book contains the origin, history and development of the medicine in Egypt, Mesopotamia, India, China, Mexico and Peru). NBG

I.B. - BOOKS ( Not Annotated )

(Available with National Laboratories and  
Research Associations)

Acheson Industries, Inc. Edward Goodrich Acheson, a  
pathfinder: inventor, scientist, industrialist.  
Michigan, Acheson Industries. 63p. CMERI

Advanced scientific and industrial research in engineering:  
mechanical engineering. Jerusalem, Israel Programme  
for Scientific Translations, 1961. 383p. CMERI

Ahmad, Aqueil and Gupta, S.P. Opinion survey of  
scientists and technologists. New Delhi, CSIR, 1967.  
(Survey report, No. 9). 82p.

American Management Association. Making effective use  
of research and development. New York, AMA, 1956.  
55p. SITRA

Anthony, Robert N. Management control in industrial  
research organisation. Boston, Harvard Univ., 1952.  
537p. SITRA

Applied scientific research: mechanics, heat, chemical  
engineering, mathematical methods; reports published  
under the auspices of the Central National Organisation  
for Applied Scientific Research in the Netherlands.  
The Hague, Nijhoff, 1960. 479p. CMERI

Armstrong, W.H.G. Social history of engineering. London.  
Faber & Faber, 1961. 378p. CRRI

Association of Scientific Workers of India. Symposium  
on science and the nation during third plan, held on  
July 27-30, 1964 in New Delhi. Delhi, Association,  
1964. 10p. CDRI

Barnier, L. Secrets of Soviet sciences. London, Allan  
Wingate, 1959. 105p. CMERI

Batley, Edward W., ed. Scientific and technical education  
and careers. London, Herbert Pub. Co., 1959. 145p. CRRI

Bhatia, Mohan, Comp. Science in India. New Delhi, Survey  
and Planning Research Unit, C.S.I.R., 1965. 67p. CRRI

- Bhatia, S.L. Science and the humanities. Bombay, Orient Longmans, 1962. 124p. CRRI
- Boltz, C.L. Statue to Mr. Trattles and other scientific topics. London, Butterworths Scientific Publications, 1952. 168p. 12/6 CERI
- Bonnell, A.T. Industrial science, present and future. Washington, Advancement of science. RRL
- Born, M. Physics and politics. Liver & Boyd, 1962. 86p. Rs.10.00 CSIO
- Brown, G.B. Science: its methods and its philosophy. London, Allen Unwin, 1950. 189p. CDRI
- Buchanan, R.A. Technology and social progress. Oxford, Pergamon Press, 1965. 172p. 25/- CERI
- Cadambe, V. Engineering research in India. New Delhi, CSIR, 1954. 114p. CRRI
- Caldin, E.F. Power and limits of science: a philosophical study. London, Chapman Hall. 196p. 8/4 CERI
- Calvert, Robert. Patent practice and management for inventors and executives. New York, Reinhold, 1950. 371p. \$ 5.00 CERI
- Campbell, Murry and Hatton, Harrison. Herbert H. Dow: pioneer in creative chemistry. New York, Appleton-Century Crofts, 1951. 168p. \$ 2.10 CERI
- Campbell, Norman. What is science? New York, Dover Publications, 1952. 186p. \$ 1.25 CERI
- Cardwell, D.S.L. Organisation of science in England. London, Heinemann. 18/- RRL
- Carter, C.F. and William, B.R. Industry and technical progress. London, Oxford Univ. Press, 1957. 244p. SITRA, CMERI
- Casey, Robert and Perry, James W. Punched cards: their applications to science and industry. New York, Interscience Publishers, 1951. 506p. \$ 10.00 CERI
- Chalmers, T.W. Historic researches: chapters in the history of physical and chemical discovery. London, Morgan Brothers, 1949. 223p. 21/- CERI



- Chowdhury, P.N. A study on the conservation of foreign exchange by the national laboratories. New Delhi, CSIR, 1966. (Survey report No.4) 15p.
- Clark, Emerson. How to prepare effective engineering proposals. Illinois, T.W. Pub. 57/- RRL
- Cohan, Leonard and Craven, Kenneth. Science information personnel. New York, Science Information, 1961. 74p. CRRI
- Coleman, H.S., ed. Laboratory design. New York, Reinhold, 1951. 393p.
- Collicutt, R.H. and Reader, R.D. Applying O.R. to the management of the O.R. Department at BISRA. London, British Iron and Steel Research Association, 1966. 22p.
- Connell, Vera, ed. The application of results of research. British Commonwealth Scientific Conference. 1952. SITRA
- Cosslett, V.E., ed. Relations between scientific research in the universities and industrial research, a report on condition in Great Britain. London, International Association of Univ. Professors and Lecturers, 1955. 187p. 13/11 CERI
- Counell, V. The application of results of research. London, Butterworths, 1954. 212p. CERI
- Cox, Ian. Science survey: talks by leading men of science given originally in the BBC's weekly programme. London, Sampson Low, Marston & Co., 1948. 322p. NBC
- Crane, E.J. and others. Guide to the literature of chemistry. New York, Wiley, 1957. 397p. \$ 9.50 CERI
- Dearborn, Dewitt C. and others. Spending for industrial research, 1951-52. Harvard Univ. Graduate School of Business Administration, 1953. 103p. SITRA
- De Garmo, E. Paul. Engineering economy. N.Y., Macmillan, 1960. 580p. CRRI
- Derry, T.K. and Williams, Trevor I. Short history of technology from the earliest times to A.D. 1900. Oxford, Clarendon Press, 1960. 782p. CRRI
- Directory of British scientists. London, Ernest Benn, 1963. 1289p. CRRI

- Dodge, F.W. Buildings for research. U.S.A., Corporation, 1959. 224p. CDRI
- Douglas, Mckie. Antoine Lavoisier: scientist, economist, social reformer. London, Constable, 1952. 334p. 30/- CERI
- Draheim, Kirk and others. The development of a potential defense R & D complex: a study of Minneapolis - Saint Paul. Stanford Research Institute, 1966. 188p. \$ 4.75
- Dunsheath, Percy, ed. Century of technology, 1851-1951. London, Hutchinson's Scientific and Technical Publications. 346p. 10/- CERI
- Dunsheath, Percy, ed. Industrial research. London, Todd Reference Books, 1947. 526p. SITRA, RRL, CDRI
- Eddington, Arthur. Philosophy of physical sciences. Cambridge Univ. Press, 1949. 230p. CDRI
- Edwards, J.A. Laboratory management and technique. London, Butterworths. RRL
- Edwards, Ronald S. Industrial research in Switzerland. London, Pitman, 1950. 111p. 14/- CERI, RRL
- Esslinger, William. Politics and science. N.Y., Philadelphia Library, 1955. 168p. CDRI
- Farber, E. Great chemists. Interscience, 1961. 1300p. Rs.4.87 CSIO
- Federation of British Industries. Industry and research. London, Pitman. 11/- RRL
- Findlay, Alexander. Hundred years of chemistry; 3rd edition. London, Gerald Duckworth, 1965. 335p. 35/- CERI
- Forbes, R.J. Man the maker: history of technology and engineering. London, Constable, 1950. 355p. 16/11 CERI
- Forbes, R.J. and Dijksterhuis, E.J. A history of science & technology: nature obeyed and conquered; ancient times to the 17th century. Penguin Books, 1963, 294p. NBG
- Fortune. Mighty force of research. New York, McGraw-Hill, 1956. 308p. CRRI

- Fowler, W.S. Development of scientific method. Oxford, Pergamon Press, 1962. 116p. 21/- CERI
- Freedman, Paul. Principles of scientific research; 2nd edition. Pergamon Press, 1960. 228p. SITRA
- Fridland, L. Paths of science. Moscow, Foreign Language Publishing House, 1953. 296p. \$ 2.81 CERI
- Furnas, C.C. Research in industry: its organization and management. London, D. Van Nostrand, 1948. 574p. \$ 5.00 CERI, SITRA, RRL
- Gear, H.S. World medical research; principles and practices. London, Butterworth, 1959. 117p. CDRI
- Green, D.W. and Knox, W.E., eds. Research in medical science. M.Y., Macmillan, 1950. 492p. CDRI
- Griffith, R.A. Practice of research in chemical industries. London, Oxford Univ. Press, 1949. 184p. CDRI
- Guy, K. Laboratory organization and administration. London, Macmillan, 1962. 386p. 50/- CERI
- Haldane, J.B.S. Science and Indian culture. Calcutta, New Age Publishers, 1965. 194p. Rs.15.00 CERI
- Hall, J.D. Industrial applications of infrared. N.Y., McGraw-Hill, 1947. CDRI
- Harper, James I., ed. Chemical engineering in practice. New York, Reinhold, 1954. 140p. \$ 3.95 CERI
- Hertz, David B. Selection, training and use of personnel in industrial research. New York, King's Crown. 36/- RRL
- Hertz, David Beidel. Theory and practice of industrial research. New York, McGraw-Hill, 1950. 385p. \$ 5.50. CERI, SITRA, RRL
- Hicks, T.G. Professional achievements for engineers and scientists. New York, McGraw-Hill. RRL
- Hill, Dr. D.W. Co-operative research in industry. Hutchins'on's Scientific and Technical Publication. IJIRA, SITRA

Hiscocks, E.S. Laboratory administration. London, Macmillan, 1958. 392p. CRII, SITRA, RRL

Hogleen, L. Science for the citizen: a self-educator based on the social back ground of scientific discovery. London, Allen & Unwin, 1959. 1162p. CMERI

Howell, Richard P. and others. The economic impact of defence R. & D expenditures: in terms of value added and employment generated. Stanford Research Institute, 1966.

Hull, C. Industrial research laboratories of the U.S.A. Washington, National Academy of Sciences. 40/- RRL

Hull, L.W.H. History and philosophy of science: an introduction. London, Longmans & Green, 1959. 340p. 25/- CERI

Hutchings, E. Frontiers in science; a survey. London, Allen & Unwin, 1960. 362p. CMERI

Industrial and Scientific Research Association, Madras. Seminar on industrial and scientific research, held on 7-9, Feb. 1964, at the Rajaji Hall, Madras. 1964. CDRI

Institute of Applied Manpower Research. First seminar (Bombay, 1964) on collaboration between industries and technical institutions. 2vols. New Delhi, IAMR, 1964. SITRA

Institute of Applied Manpower Research. Second seminar (Madras, 1964) on collaboration between industries and technical institutions. 2vols. New Delhi, IAMR, 1964. SITRA

Institute of Applied Manpower Research. Stock-taking of research and design organisations. New Delhi, IAMR, 1964. 72p.

International Cooperation Administration. Activities and institutions of the industrial program. Washington, ICA, 1956. 217p. SITRA

Jaffe, B. Men of science in America. Popular Library, 1958. 350p. Re. 1.00 CSIO

Jarrett, H. Sciences and resources. Baltimore, John Hopkins Press, 1959. 250p. CMERI

- Jeans, J. Growth of physical science. Cambridge Univ. Press, 1951. 364p. 10/- CERI
- Johnson, Ellis A. and Striner, H.E. Research and development, resource allocation, and economic growth. Bethesda, Maryland, Johns Hopkins Univ., 1960. 37p.
- Kapp, Reginald O. Presentation of technical information. London, Constable, 1948. 147p. 4/- CERI, SITRA
- Kasbekar, G.S. Chemical industry in national defence. Calcutta, Indian Chemical Manufacturers' Association, 1963. CDRI
- Kendall, James. Michael Faraday: man of simplicity. London, Faber and Faber, 1956. 196p. \$ 3.00 CERI
- Kenneth, C.E. and others. Organisation of industrial scientific research. New York, McGraw-Hill. 42/6 RRL
- Killefer, D.H. Genius of industrial research. N.Y., Reinhold, 1948. CDRI
- Kirby, Richard Shelton, and others. Engineering in history. New York, McGraw-Hill, 1956. 530p. CRRI
- Kothari, Dr. D.S. Education, science and development. (Founder Memorial Lecture, 1957) Shri Ram Institute for Industrial Research, 1967. 15p.
- Kothari, H. Who's who in Indian science. Kothari Publishers. 176p. Rs.9.38 CSIO
- Lawrence, William J.C. Science and the glasshouse. NBG
- Leeds, Ruth and Smith, Thomasina, eds. Using social sciences knowledge in business and industry. Illinois, Irwin, 1963. 87p. SITRA
- Leicester, Henry M. Historical background of chemistry. New York, Wiley, 1956. 260p. \$ 6.00 CERI
- Leicester, Henry M. and Klickstein, H.S. Source book in chemistry. New York, McGraw-Hill, 1952. 260p. \$ 7.50 CERI
- Leshar, Richard L. and Howick, George J. Assessing technology transfer. Washington, D.C., National Aeronautics and Space Administration, 1966. 121p. \$ 0.50



Mahalanobis, P.C. Recent developments in the organisation of science in India. Calcutta, Indian Statistical Institute, 1959. 18p. CERI

Mauk, James F., Comp. Industrial research laboratories of the United States. Washington, National Research Council, National Academy of Sciences, 1956. 560p. \$ 10.00 CERI

McCrensky, Edward. Scientific manpower in Europe. London, Pergamon Press, 1958. 182p. CERI

Millikan, Robert A. Autobiography of Robert A. Millikan. New York, Prentice-Hall, 1950. 311p. \$ 5.00 CERI

Moore, F.J. History of chemistry; 3rd edition. New York, McGraw-Hill, 1939. 447p. \$ 4.20 CERI

Morgan, G.T. and Pratt, D.D. British chemical industry; its rise and development. London, Edward Arnold, 1938. 387p. CDRI

Munce, James F. Laboratory planning. London, Butterworths Scientific Publications, 1962. 360p. 75/- CERI

Nagpal, P.S. and others. Trends of research in electronics engineering - an analysis of publications by Indian authors. (Current Trends of Research Series, No. 2). New Delhi, CSIR, 1966. 20p.

Nair, S.R. and Thampy, R.T. Role of research in import substitution with particular reference to plastics and other synthetic high polymers. Delhi, Shri Ram Institute for Industrial Research, 1965. 17p.

Needham, Joseph and Ling. Wang. Science and civilization in China. 4 volumes, Cambridge, Univ. Press, 1954. NBG

Noltingk, B.E. Human element in research management. Amsterdam, Elsevier Pub. Co., 1950. 91p. 9/6  
CERI, SITRA, CMERI, RRL

Niece, E.H. Mac. Industrial specification. New York, Wiley, 1953. 158p. SITRA

Oppenheimer, J. Robert. Science and the common understanding. London, Oxford Univ. Press, 1954. 127p. 10/6 CERI

Pai, R.B. Patents for inventions. New Delhi, CSIR, 1956. 53p. SITRA

Partington, J.R. Short history of chemistry, 2nd edition. London, Macmillan, 1948. 386p. 12/- CERI

Patents Office Society. Patents and designs; questions and answers of interest to inventors and industrialists. Calcutta, POS, 1948. 46p. SITRA

Porterfield, A.L. Creative factors in science research. Durban, Duke Univ. 28/9 RRL

Pyddoke, Edward, ed. Scientist and archaeology. London, Phoenix House, 1963. 208p. NBG

Rahman, A. and others Scientific societies in India. (Survey report, No. 3). New Delhi, CSIR, 1965. 40p.

Rahman, A. and others. State support to scientific research in India - an analysis of trends. New Delhi, CSIR, 1966. (Survey report No. 8) 24p.

Rahman, A. and others. A study of expenditure in national laboratories. (Survey report, No. 2). New Delhi, CSIR, 1964. 98p.

Recent advances in the engineering sciences; their impact on engineering education. New York, McGraw-Hill, 1958. 257p. CMERI

Redman, L.V. and Mory, A.V.H. Romance of research. Baltimore, Williams & Wilkins. RRL

Reichenbach, Hans. Modern philosophy of science: selected essays. London, Routledge and Kegan Paul, 1959. 214p. 28/- CERI

Richards, Norah. Sir Shanti Swarup Bhatnagar, F.R.S. - a biographical study of India's eminent scientist. New Delhi, New Book Society of India, 1948. 239p. Rs.6.56 CERI

Roberts, Edward B. and Wainer, H.A. Technology transfer and entrepreneurial success. (Presented to the Twentieth National Conference on the Administration of Research, Miami Beach, Florida). 1966. 35p.

Rothstein, Jerome. Communication, organization and science. Colorado, Falcon's Wing Press, 1958. 110p. SITRA

Runes, Dagobert, ed. Treasury of world science. London,  
Peter Owen, 1962. CDRI

Russell, Bertrand. Impact of science on society. London,  
George Allen & Unwin, 1952. 218p. 7/6 CERI

Russell, Bertrand. The scientific outlook. London,  
George Allen & Unwin, 1954. 285p. CRRI

Russell, E.J. Methods in scientific research. Calcutta,  
Indian Association for the Cultivation of Science,  
1937. 24p. BO.37 CERI

Sarton, George. Ancient science and modern civilization.  
London, Edward Arnold, 1954. 111p. 15/- CERI

Schenck, H. Theories of engineering experimentation.  
New York, McGraw-Hill, 1961. 239p. CMERI

Schroedinger, Erwin. Science theory and man. London,  
George Allen & Unwin, 1957. 223p. 13/- CERI

Sen, Mrs. U. and others. Scientific research in Indian  
universities. New Delhi, CSIR, 1965. (Survey report  
No. 6). 122p.

Shapero, Albert and others. The role of the university  
in defense R & D. Stanford Research Institute, 1966.  
108p. \$ 5.50

Shapero, Albert and others. The structure and dynamics  
of the defense R & D. industry: the Los Angeles and  
Boston Complexes. Stanford Research Institute, 1965.  
125p. \$ 4.75

Simon, F.E. Neglect of science: essays addressed to  
laymen. Oxford, Basil Blackwell, 1951. 138p. 5/8  
CERI

Simon, L.E. German research in world war II. London,  
Chapman & Hall. 18/6 RRL

Singer, Charles. From magic to science: essays on the  
scientific twilight. New York, Dover, 1958. 253p.  
\$ 2.00 CERI

Smith, Ralph J. Engineering as a career; 2nd edition,  
New York, McGraw-Hill, 1962. 394p. CRRI

Somerville, John. Way of science: its growth and methods.  
New York, Henry Schumann, 1953. 172p. 12/6 CERI

- South Asia Science Cooperation Office, New Delhi.  
Scientific institutions and scientists in Pakistan.  
1958. 501p. CRRI
- Sporn, P. Foundations of engineering. London, Pergamon  
Press, 1964. 143p. CMERI
- Stanford Research Institute. Programming - a context  
for decision-making in government and industry. SRI,  
1965. 25p.
- Stebbing, L. Susan. Philosophy and the scientists.  
New York, Dover, 1958. 295p. \$ 1.65 CERI
- Taton, R. Reason and chance in scientific discovery.  
London, Hutchinson, 1959. 171p. CMERI
- Taton, Rene, ed. Ancient and medieval science: from  
prehistory to A.D. 1450. London, Thames & Hudson,  
1963. 551p. NBG
- Taylor, Calvin and Barron, Frank. Scientific creativity:  
its recognition and development. New York, Wiley, 1963.  
419p. \$ 7.95 CERI, CMERI
- Taylor, H. Science in progress. New Haven, Yale Univ.  
Press, 1960. 379p. CMERI
- Terrell, Thomas and Shelley, K.E. Law of patents. London,  
Sweet and Maxwell, 1951. 679p. CDRI
- Toulmin, H.A. Handbook of patents. N.Y., Van Nostrand,  
1949. 800p. CDRI
- Vollmer, Howard M. Work activities and attitudes of  
scientists and research managers: data from a national  
survey. Stanford Research Institute, 1965. 218p.  
\$ 6.00
- Vollmer, Howard M., and others. Adaptations of  
scientists in five organizations: a comparative  
analysis. Stanford Research Institute, 1964. 124p.
- Vollmer, Howard M. and others. Adaptations of  
scientists in five organizations: methodology and  
technical appendix. Stanford Research Institute,  
1964. 123p.

Wainer, Herbert A. and Rubin, Irwin M. Motivation of R & D entrepreneurs: determinants of company success. Cambridge, Mass., Massachusetts Institute of Technology, 1967. 18p.

Weidlein, E.R. and Hamon, W.A. Glances at industrial research. New York, Reinhold. RRL

Whitehead, A.N. Science and the modern world. Cambridge, Univ. Press, 1953. 265p. CRRI

Whitney, Frederick Lamson. Elements of research; 3rd edition. New York, Prentice - Hall, 1950. 539p. CERI

Winghtman, William P.D. Growth of scientific ideas. London, Oliver & Boyd, 1951. 495p. 25/- CERI,  
NBG

Wise, J.K. Patent law in the research laboratory, N.Y., Reinhold, 1965. 145p. CDRI

Zaheer, Dr. S. Husain and others. Investment in scientific and technological research during the fourth five year plan. New Delhi, CSIR, 1964.



## II PUBLIC DOCUMENTS

### Industrial Research

- Australia. Commonwealth Scientific and Industrial Research Organization. CSIRO and engineering in industry. 1964. 48p.
- Australia. Commonwealth Scientific and Industrial Research Organization. CSIRO and the food industry. 1961. 24p.
- Australia. Commonwealth Scientific and Industrial Research Organization. CSIRO and the wool textile industry. 1966. 44p.
- British Information Service in India. British research and developing countries. New Delhi, B.I.S., 1963. CDRI
- British Information Service in India. Promotion of the sciences in the Commonwealth. London, B.I.S., 1963. CDRI
- British Information Service in India. Some British records and achievements in science, industry and technology. New Delhi, B.I.S., 1956. CDRI
- Canada. Industry, Department of. Program for advancement of industrial technology. 1966. 11p.
- Canada. Laws and Statutes. Bill C-252: an act to provide general incentives to industry for the expansion of scientific research and development in Canada and to effect certain related amendments to the Income Tax Act. (First reading, December 6, 1966). 16p.
- Canada. Laws and Statutes. Public servants inventions act. 1954. 4p.
- Canada. Laws and Statutes. Public servants inventions regulations. (Made under the Public Servants Inventions Act). 1955. 13p.
- Canada. National Research Council. An analysis of instrument - computer trends in process control technology in Canada; compiled by N.K. Harris. Ottawa, NRC, 1965. (Technical Information Service Report No. 81). 25p.

Canada. National Research Council. Canadian Patents and Development Limited: patents handbook. Ottawa, NRC, 1966.

Canada. National Research Council. Engineering research in the Division of Mechanical Engineering and the National Aeronautical Establishment of the National Research Council of Canada, 1965-66. Ottawa, NRC, 1966. 78p.

Canada. National Research Council. Inventions and what to do about them. 1959. 31p.

Canada. National Research Council. Research and development capabilities of the Division of Mechanical Engineering and the National Aeronautical Establishment. 1966. 29p.

Canada. Statistics, Dominion Bureau of. Federal government expenditures on scientific activities, fiscal year 1964-65. 1967. 44p. \$ 0.75

Canada. Statistics, Dominion Bureau of. Industrial research and development expenditures in Canada, 1963. 1965. 36p.

India. Scientific manpower committee. Report. 1948. 150p.

India. Central Food Technological Research Institute. C.F.T.R.I. serves the nation. Mysore, CFTRI. 28p.

India. Central Food Technological Research Institute. Research projects. 1964. 342p.

India. Central Leather Research Institute. Decennial report, 1953-1963. Madras, CLRI, 1964. 224p.

India. Central Mechanical Engineering Research Institute. Step to self-reliance. Durgapur CMERI, 1966. 18p.

India. Central Salt and Marine Chemicals Research Institute. Ten year report, 1954-1964. 50p. NBG

India. Council of Scientific and Industrial Research. Board of Scientific and Industrial Research: a review. New Delhi, CSIR, 1954. 235p.

India. Council of Scientific and Industrial Research. Council of Scientific and Industrial Research: a review. 1954. 227p., 142p. CRRI

India. Council of Scientific and Industrial Research.  
CSIR activities: a survey. New Delhi, CSIR, 1961.  
52p.

India. Council of Scientific and Industrial Research.  
CSIR laboratories and units. New Delhi, CSIR, 1961.  
28p.

India. Council of Scientific and Industrial Research.  
Data on research utilization. 1965. SITRA

India. Council of Scientific and Industrial Research.  
Flight of Scientific and technical personnel. 16p.  
SITRA

India. Council of Scientific and Industrial Research.  
Fourth five year plan, Part one. New Delhi, CSIR,  
1965. 74p.

India. Council of Scientific and Industrial Research.  
First get-together of research and industry,  
December 20-21, 1965, recommendations. 1966. 124p.

India. Council of Scientific and Industrial Research.  
Indian scientific and technical personnel in  
foreign countries. New Delhi, National Register,  
CSIR, 1958. 14p.

India. Council of Scientific and Industrial Research.  
Industrial Research Planning Committee. Report.  
New Delhi, CSIR, 1945. 146p.

India. Council of Scientific and Industrial Research.  
The internal combustion engine research committee:  
review of the activities, 1941-1951. 55p. NBG.

India. Council of Scientific and Industrial Research.  
National biological laboratory, a plan. 1964. 26p.  
SITRA

India. Council of Scientific and Industrial Research.  
Organisation and functions. New Delhi, CSIR, 1946.  
110p.

India. Council of Scientific and Industrial Research.  
Patented inventions of the CSIR, 1940-1965. 228p.  
CDRI

India. Council of Scientific and Industrial Research.  
Report of the dyestuffs exploratory committee.  
1946. 32p. NBG.

- India. Council of Scientific and Industrial Research.  
Report of the essential oil advisory committee. NBG
- India. Council of Scientific and Industrial Research.  
Report of the First Reviewing Committee, 1948.  
(Chairman: Sir Ardeshir Dalal). 39p.
- India. Council of Scientific and Industrial Research.  
Report of the Second Reviewing Committee, 1954.  
(Chairman: Alfred C. Egerton). 89p.
- India. Council of Scientific and Industrial Research.  
Report of the Third Reviewing Committee, 1964.  
(Chairman: Sir A. Ramaswami Mudaliar). 96p.
- India. Council of Scientific and Industrial Research.  
Research for industry. New Delhi, CSIR, 1964. 64p.
- India. Council of Scientific and Industrial Research.  
Research potential and science policy of the People's  
Republic of China. 1966. 39p. CSIO
- India. Council of Scientific and Industrial Research.  
Research programmes. 1965. 140p. SITRA
- India. Council of Scientific and Industrial Research.  
Science in India. 1966. 70p. CSIO
- India. Council of Scientific and Industrial Research.  
Science policy in India. 1967. 22p. SITRA
- India. Council of Scientific and Industrial Research.  
Scientific research in Indian universities. (Survey  
Report No. 6). New Delhi, CSIR, 1965. 122p.
- India. Council of Scientific and Industrial Research.  
Special committee of the governing body. Report.  
(Chairman: J.C. Ghosh). New Delhi, CSIR, 1955. 56p.
- India. Council of Scientific and Industrial Research.  
State Support to scientific research in India: an  
analysis of trends. 1966. 24p. SITRA
- India. Council of Scientific and Industrial Research.  
Survey of the work done in the chemical laboratories  
of the CSIR, 1940-46. New Delhi, CSIR, 1947. 68p.
- India. Council of Scientific and Industrial Research.  
Survey of the work done in the physical laboratories  
of the CSIR, 1940-46. New Delhi, CSIR, 1947. 8p.

- India. Council of Scientific and Industrial Research.  
Trends of research in electronics engineering. 1966.  
20p. SITRA
- India. Education, Ministry of. Report of first National  
Seminar of Science Consultants (1962). 1963. (Held  
in New Delhi, March 1962). 161p.
- India. Electronics Committee, 1963. Electronics in  
India: report of the electronics committee. 1966.  
(Chairman: H.J. Bhabha). 396p. Rs 21.50
- India. Estimates Committee, 1959-60. 76th report  
(Second Lok Sabha) on the Ministry of Scientific  
Research and Cultural Affairs, Part I - Council  
of Scientific and Industrial Research. 1960. 130p.
- India. Estimates Committee, 1959-60. 78th report  
(Second Lok Sabha) on the Ministry of Scientific  
Research and Cultural Affairs - Part II on  
Secretariat (Scientific Research Wing), Grants-in-aid,  
National Research Development Corporation of India,  
and Technical institutions. 1960. 85p.
- India. Estimates Committee, 1959-60. 81st report  
(Second Lok Sabha) on Ministry of Scientific  
Research and Cultural Affairs - Part III on National  
Atlas Organisation, Survey of India, Botanical Survey  
of India, Zoological Survey of India and Central  
Board of Geophysics. 1960. 71p.
- India. Estimates Committee, 1959-60. 83rd report,  
(Second Lok Sabha) on the Ministry of Scientific  
Research and Cultural Affairs, Part IV - National  
laboratories and miscellaneous. 1960. 90p.
- India. Estimates Committee, 1959-60. Minutes of  
sittings relating to 76th, 78th, 81st and 83rd  
reports of the Committee (Second Lok Sabha) on the  
Ministry of Scientific Research and Cultural Affairs.  
1960. 80p.
- India. Estimates Committee, 1962-63. 1st report  
(Third Lok Sabha) on action taken by Government on  
the recommendations contained in the 81st report  
(Second Lok Sabha) of the Estimates Committee on  
the Ministry of Scientific Research and Cultural  
Affairs, Part III - National Atlas Organisation,  
Survey of India etc. 1962. 39p.



- India. Estimates Committee, 1962-63. 27th report (Third Lok Sabha) on action taken by Government on recommendations contained in the 76th, 78th and 83rd reports of the Estimates Committee (Second Lok Sabha) on the Ministry of Scientific Research and Cultural Affairs. 1963. 250p.
- India. Estimates Committee, 1965-66. 94th report (Third Lok Sabha) on the Ministry of Defence - Defence Research and Development Organisation in respect of Defence Metallurgical Research Laboratory, Hyderabad. 1966. 62p.
- India. Estimates Committee, 1965-66. 95th report (Third Lok Sabha) on the Ministry of Defence - Defence Research and Development Organization in respect of Electronics and Radar Development Establishment, Bangalore and Defence Electronics Research Laboratory, Hyderabad. 1966. 69p.
- India. Estimates Committee, 1965-66. 103rd report (Third Lok Sabha) on the Ministry of Education - Council of Scientific and Industrial Research - National Physical Laboratory, New Delhi. 1966. 201p.
- India. Estimates Committee, 1965-66. 104th report (Third Lok Sabha) on the Ministry of Education - Council of Scientific and Industrial Research - Central Electronics Engineering Research Institute, Pilani. 1966. 99p.
- India. Industrial Research Bureau. Report for the years 1935-36 to 1939-40. (Five volumes).
- India. Public Accounts Committee, 1963-64. 24th report (Third Lok Sabha) on Appropriation Accounts (civil), 1961-62 and Audit report (civil), 1963 relating to the Ministries of Scientific Research and Cultural Affairs, Transport and Works, Housing and Rehabilitation. 1964. 105p.
- India. Regional Research Laboratory. Fatty acids: industry, technology and research in India. (Proceedings of the seminar held in Hyderabad from 10-12, February, 1965). Hyderabad, RRL, 1966. 89p. Rs 5.00
- International Conference on Public Education, 22nd. Training of technical and scientific staff: measures to increase facilities: a comparative study. 1959. 300p.

Japan. Council for Science and Technology. Summary of a report "On the synthetic basic policy for the advancement of science and technology in Japan!" 1966. 12p.

Japan. International Trade and Industry, Ministry of. Agency of Industrial Science and Technology. 44p.

Japan. Science and Technology Agency. Government research institutes in Japan. 197p.

Organisation for Economic Cooperation and Development. Conference on the communication of scientific and technical knowledge to industry, Stockholm, 7th to 9th October, 1963: proceedings. 1965. 183p. 12/6

Organisation for Economic Cooperation and Development. Contract research institutes in Norway. 1965. 76p. 6/-

Organisation for Economic Cooperation and Development. Country reports on the organisation of scientific research - Austria. 1964. 20p.

Organisation for Economic Cooperation and Development. Country reports on the organisation of scientific research - Belgium. 1963. 46p.

Organisation for Economic Cooperation and Development. Country reports on the organisation of scientific research: Canada. 1963. 46p.

Organisation for Economic Cooperation and Development. Country reports on the organisation of scientific research - Denmark. 1963. 24p.

Organisation for Economic Cooperation and Development. Country reports on the organisation of scientific research - France. 1964. 35p.

Organisation for Economic Cooperation and Development. Country reports on the organisation of scientific research - Germany. 1963. 79p.

Organisation for Economic Cooperation and Development. Country reports on the organisation of scientific research - Greece. 1963. 36p.

Organisation for Economic Cooperation and Development. Country reports on the organisation of scientific research - Iceland. 1963. 24p.

- Organisation for Economic Cooperation and Development.  
Country reports on the organisation of scientific  
research - - Italy. 1964. 44p.
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Country reports on the organisation of scientific  
research - Luxembourg. 1963. 18p.
- Organisation for Economic Cooperation and Development.  
Country reports on the organisation of scientific  
research - Netherlands. 1964. 46p.
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Country reports on the organisation of scientific  
research - Norway. 1965. 62p.
- Organisation for Economic Cooperation and Development.  
Country reports on the organisation of scientific  
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- Organisation for Economic Cooperation and Development.  
Country reports on the organisation of scientific  
research - Turkey. 1964. 39p.
- Organisation for Economic Cooperation and Development.  
Country reports on the organisation of scientific  
research - United Kingdom. 1964. 86p.
- Organisation for Economic Cooperation and Development.  
Country reports on the organisation of scientific  
research : United States. 1963. 96p.
- Organisation for Economic Cooperation and Development.  
Engineering education in the computer age : report  
of an OECD Conference on applied mathematics for  
engineers, Rome, May, 1963. 1934. 105p. 10/6
- Organisation for Economic Cooperation and Development.  
Foreign skills and technical assistance in economic  
development, by Angus Maddison. 1965. 104p. 15/-
- Organisation for Economic Cooperation and Development.  
Fundamental research and the policies of governments.  
1966. 72p. \$ 1.50

Organisation for Economic Cooperation and Development.  
Government and allocation of resources to science.  
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Organisation for Economic Cooperation and Development.  
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Organisation for Economic Cooperation and Development.  
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Organisation for Economic Cooperation and Development.  
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Organisation for Economic Cooperation and Development.  
Reviews of national policies for education: training  
of and demand for high level scientific and techni-  
cal personnel in Canada. 1966. 136p.

Organisation for Economic Cooperation and Development.  
Reviews of national policies for science and  
education : training of technicians in Ireland,  
1964. 112p. \$ 2.00

Organisation for Economic Cooperation and Development.  
Reviews of national science policy: Belgium. 1966.  
125p. \$ 2.00

Organisation for Economic Cooperation and Development.  
Reviews of national science policy : France. 1966.  
133p. \$ 2.00

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71p. 9/-

Organisation for Economic Cooperation and Development.  
Scientific research and economic and social development:  
proceedings of the fourth meeting of the National  
Directors of the Pilot Teams' Project on Science and  
Economic Development. 1966. 159p.

Organisation for Economic Cooperation and Development.  
Scientific research and technology in relation to  
the economic development of Greece. 1967. 249p.

Organisation for Economic Cooperation and Development.  
Scientific research and technology in relation to  
the economic development of Greece, statistical  
annex. 1967. 78p.

Organisation for Economic Cooperation and Development.  
Structure of industrial research associations, by  
F.N. Woodward. 1965. 53p.

Organisation for European Economic Cooperation.  
Administration and organisation of research: First  
European Regional Seminar, Chateau de Menars,  
25th-29th April, 1960. 1961. 107p.

Organisation for European Economic Cooperation.  
Administration and organisation of research: Second  
European Regional Seminar, Strobl, 29th May-3rd June,  
1961. 1962. 85p.

Organisation for European Economic Cooperation.  
Co-operation in scientific and technical research  
by Dana Wilgress. 1960. 52p.

Organisation for European Economic Cooperation.  
Forecasting manpower needs for the age of science.  
1960. 141p. 10/6

Organisation for European Economic Cooperation.  
Organisation of applied research in Europe, USA  
and Canada. 3 volumes. RRL

Organisation for European Economic Cooperation.  
Rural manpower and industrial development :  
adaptation and training. (General report by Prof.  
H. Krier). 130p. 10/-

Organisation for European Economic Cooperation.  
Social research and industry in Europe : problems  
and perspectives. 1960. 96p. 6/-

Organisation for European Economic Cooperation.  
Technical information and the smaller firm: facts  
and figures on practices in European and American  
industry. 1958. 68p.



Science and Irish economic development. 2 volumes.

(Report of the Research and Technology Survey Team appointed by the Minister for Industry and Commerce in November 1963 in association with OECD). Dublin, Stationery Office, 1966. 197p. 246p.

U.K. Advisory Council on Scientific Policy.

Government scientific organisation in the civilian field. 1951. 47p.

U.K. Advisory Council on Scientific Policy, Committee on Scientific Manpower. The Long-term demand for scientific manpower. 1961. (Cmd. 1480). 26p.

U.K. Advisory Council on Scientific Policy, Committee on Scientific Manpower. Scientific and engineering manpower in Great Britain. 1959. (Chairman: A.R. Todd). 49p.

U.K. Advisory Council on Scientific Policy, Committee on Scientific Manpower. Scientific and technological manpower in Great Britain, 1962. (Cmd. 2146). 1963. 59p. 3/6

U.K. Building Research Board. Test walls for assessing construction times with new building blocks, by W. Kinniburgh. 1950. (National Building Studies, Technical Paper, No. 9). 8p.

U.K. Committee of Enquiry in to the Organisation of Civil Science. Report. 1963. (Ch: Sir Burke Trend, Cmd. 2171). 59p. 4/-

U.K. Committee on the Management and Control of Research and Development, 1958. Report. 1961. (Chairman: Sir Solly Zuckerman). 129p.

U.K. Committee on Manpower Resources for Science and Technology. Report on the 1965 triennial manpower survey of engineers, technologists, scientists and technical supporting staff. 1966. (Cmd. 3103, Chairman : Willis Jackson). 64p. 5/6

U.K. Committee on Scientific Staff. Report. 1943. (Chairman: Sir Alan Barlow). (Annexure, p. 9-16, to the U.K. Treasury's publication - 'The Scientific civil service. 1945).

U.K. Committee on the Organisation and Constitution of the British Standards Institution, 1949. Report. 1960. (Chairman: Geoffrey Cunliffe, first published in 1950). 44p.

U.K. Committee on Technical Assistance for Overseas Geology and Mining. Report. 1964. (Cmd. 2351, Chairman: Sir Frederick Brundrett). 32p. 2/-

U.K. Committee to Review the Organisation of Scientific Civil Service. Report. 1965. 27p. 2/3

U.K. Education, Ministry of. Report of the Advisory Panel on the provision of advanced technical education at the technical colleges at Wrexham, Denbighshire, Kelsterton and Flintshire. 1958. (Chairman: Sir Hugh Chance). 14p.

U.K. Education, Ministry of. Better opportunities in technical education. 1961. (Cmd. 1254). 23p.

U.K. Estimates Committee, 1952-53. 12th report on technical education.

U.K. Estimates Committee, 1957-58. 5th report on Department of Scientific and Industrial Research.

U.K. Estimates Committee, 1958-59. 6th Special report on Department of Scientific and Industrial Research (Observations of the Council for Scientific and Industrial Research).

U.K. Estimates Committee, 1959-60. 3rd Special report on Trunk roads, Department of Scientific and Industrial Research, Nature Conservancy. (Ministerial observations).

U.K. Estimates Committee, 1966-67. Second report on the European Space Vehicle Launcher Development Organisation. 1966. 156p. 19/-

U.K. Information, Central Office of. Commonwealth scientific cooperation. 1962. 30p. CRRI

U.K. Information, Central Office of. Industrial research in Britain. 1961. 42p.

U.K. Information, Central Office of. Promotion of sciences in the Commonwealth. 1963. 105p. 6/6

U.K. Information, Central Office of. Research and the United Kingdom dependencies. 1958. 28p.

- U.K. Iron and Steel Board. Research in the iron and steel industry: special report, 1963. 63p. 4/6
- U.K. Labour and National Service, Ministry of. Present and future supply and demand for persons with professional qualifications in architecture. 1949. 18p.
- U.K. Labour and National Service, Ministry of. Present and future supply and demand for persons with professional qualifications in mechanical engineering. 1950. 19p.
- U.K. Labour and National Service, Ministry of. Present and future supply and demand for persons with professional qualifications in physics. 1949. 20p.
- U.K. Labour and National Service, Ministry of. Scientific and engineering manpower in Great Britain. 1956. 28p.
- U.K. National Advisory Council on Education for Industry and Commerce. The Future development of higher technical education: report. 1950. 28p.
- U.K. National Physical Laboratory. The Direction of research establishments. 1957. (Proceedings of a symposium held at the N.P.L. on 26, 27, and 28 Sept. 1956)
- U.K. National Physical Laboratory. Recent developments and techniques in the maintenance of standards: proceedings of a symposium held ... on 21st and 22nd May, 1951. 100p.
- U.K. National Research Development Corporation. The work of the National Research Development Corporation. 1966. 26p.
- U.K. Science Minister, Office of. Management and control of research and development. RRL
- U.K. Scientific and Industrial Research, Department of. Brief review of science and technology in Western Germany. 1955. 103p. CERI
- U.K. Scientific and Industrial Research, Department of. Building research 1962: the report of the Building Research Board with the report of the Director of Building Research. 1963. 102p.

- U.K. Scientific and Industrial Research, Department of.  
DSIR : a description of the work of the Department of  
Scientific and Industrial Research. 1949. 41p.
- U.K. Scientific and Industrial Research, Department of.  
Department of Scientific and Industrial Research :  
report of Committee of Enquiry. 1956. (Chairman:  
Harry Jephcott, Cmd. 9734). 4p.
- U.K. Scientific and Industrial Research, Department of.  
D.S.I.R., universities and colleges, 1956-60: a  
report on the D.S.I.R. support for research and  
training in universities and colleges, 1956-60.  
1962. 232p.
- U.K. Scientific and Industrial Research, Department of.  
How research can help training, by Hilary M. Clay.  
1964. (Problems of Progress in Industry - No. 16).  
19p. 1/6
- U.K. Scientific and Industrial Research, Department of.  
Management and technology, by Joan Woodward. 1958.  
(Problems of Progress in Industry, No. 3). 40p.
- U.K. Scientific and Industrial Research, Department of.  
Notes on D.S.I.R. : grants for graduate students and  
research workers. 1958. 22p.
- U.K. Scientific and Industrial Research, Department of.  
The problem of communication: proceedings of Conference  
on Science and Industry. 1962. (Conference on 18th  
and 19th April, 1961). 113p.
- U.K. Scientific and Industrial Research, Department of.  
Problems of progress in industry. (Series - 16  
pamphlets).
- U.K. Scientific and Industrial Research, Department of.  
Research in industry - a series of articles from the  
Board of Trade Journal. 1948. 84p. CDRI
- U.K. Scientific and Industrial Research, Department of.  
Scientific research in British universities; Vol. I -  
Physical Sciences; Vol. II: Life Sciences. 413p.,  
426p. CERI
- U.K. Scientific Manpower Committee. Report, 1946.  
(Cmd. 6824). Reprint 1963. (Chairman: Sir Alan  
Barlow). 26p. 1/6

- U.K. Technical Cooperation, Department of. Research assistance for the developing countries. (Cmnd. 2433). 1964. 28p. 2/-
- U.K. Technical Cooperation, Department of. A review of colonial research, 1940-1960, edited by Sir Charles Jeffries. 1964. 238p. 21/-
- U.K. Technical Cooperation, Department of. Technical assistance for overseas geology and mining policy on the recommendations of the Committee. 1964. (Cmnd. 2352). 7p. -/8
- U.K. Technical Cooperation, Department of. Technical assistance for the development of natural resources overseas. 1964. (Cmnd. 2287). 11p. 1/-
- U.K. Treasury. The scientific civil service. 1953. 16p.
- U.K. Treasury. The scientific civil service : reorganisation and recruitment during the reconstruction period. (Barlow Committee report on scientific staff, 1943, is annexed at the end). 1945. (Cmnd. 6679). 16p.
- United Nations. UN Conference on new sources of energy, Rome, 1961. Proceedings, Vol. I - General sessions. 1963. 218p. \$ 2.50
- United Nations. UN Conference on the application of science and technology for the benefit of the less developed areas, 1963. Report in 8 volumes. \$59.50
- United Nations. UN Conference on the application of science and technology for the benefit of the less developed areas, 1963. United States papers in 12 volumes.
- United Nations. Economic and Social Affairs, Department of. Manual on the management of industrial research institutes in developing countries. 1966. 122p. 15/-
- United Nations. Economic and Social Affairs, Department of. The role of patents in the transfer of technology to developing countries : report of the Secretary - General. 1964. 95p. \$ 1.50
- Unesco. Directory of international scientific organizations; 2nd edition. 1953. 312p. SITRA



- Unesco. National science policies in countries of South and South East Asia. A Comparative study based on the proceedings of the third regional meeting of representatives of National Scientific Research Organisations of South and South-East Asia, Canberra, Australia, 17-21 Feb. 1964. 1965. 45p. 4/-
- Unesco. Science liaison: the story of Unesco's science co-operation offices. 1954. 63p.
- Unesco. Science policy and organisation of research in Norway. (Science policy studies and documents No. 4). 1966. 100p. 8/-
- U.S.A. Agency for International Development. A selected list of U.S. readings on development; prepared for U.N. conference on the application of science and technology for the benefit of the less developed areas. 1963. 363p.
- U.S.A. Atomic Energy Commission. Fundamental nuclear energy research : a special report, 1962. 405p.
- U.S.A. Commerce, Department of. Studies in scientific and engineering manpower. 1963. 50p.
- U.S.A. Commission on Organisation of the Executive Branch of the Government. 1953. Reports to the Congress. 1955. 17th Report:- Research and development in the government. 50p.
- U.S.A. Commission on Organization of the Executive Branch of the Government, 1953-55, Sub-committee reports. 1955 - . 3rd report. Research activities in the Department of Defence and defence related agencies. 91p.
- U.S.A. Committee on Engineers and Scientists for Federal Government Programs. Summary report of survey of attitudes of scientists engineers in government and industry. 1957. 78p.
- U.S.A. Federal Council for Science and Technology. The environment for quality: a report on the identification and evaluation of employment features important to the recruitment, retention and effective utilization of superior scientists and engineers in the federal service. 1966. 22p.
- U.S.A. Federal Council for Science and Technology. Management and the marginal employee: an analysis of personnel practices to prevent and treat the problem. 1966. 15p.

- U.S.A. Federal Council for Science and Technology.  
Proceedings of the first symposium - 'Current  
problems in the management of scientific personnel',  
October 17-18, 1963. 1964. 131p.
- U.S.A. Federal Council for Science and Technology.  
Proceedings of second symposium on "Technical  
information and the federal laboratory", April  
13-14, 1964. 88p. \$ 0.65
- U.S.A. Federal Council for Science and Technology.  
Proceedings of the third symposium - 'The environ-  
ment of the federal laboratory, December 7-8, 1964.  
1965. 125p.
- U.S.A. Federal Council for Science and Technology.  
Recommendations for national document handling  
systems in science and technology (by Committee  
on Scientific and Technical Information). 1965. 20p.
- U.S.A. Industrial Technical Assistance Division.  
Increasing productivity through simplification. RRL
- U.S.A. Labor, Department of. Employment of scientific  
and technical personnel in industry, 1962. 1964. 84p.
- U.S.A. Labor, Department of. Scientific and technical  
personnel in industry, 1961. 1964. 84p.
- U.S.A. National Aeronautics and Space Administration.  
Conference on new technology, Lewis Research Center,  
Cleveland, Ohio, June 4-5, 1964. Washington, D.C.,  
NASA, 1964. 156p. \$ 1.00
- U.S.A. National Aeronautics and Space Administration.  
Conference on selected technology for the petroleum  
industry. Lewis Research Center, Cleveland, Ohio,  
December 8-9, 1965. Washington, D.C., NASA, 1966.  
169p. \$ 1.25
- U.S.A. National Aeronautics and Space Administration.  
How to use NASA's scientific and technical information  
system. Washington, D.C., NASA, 1966. 24p. \$ 0.20
- U.S.A. National Aeronautics and Space Administration.  
NASA's technology utilization program. Washington,  
D.C., NASA, 1966. 20p. \$ 0.20

- U.S.A. National Aeronautics and Space Administration. Symposium on Technology Status and Trends; Huntsville, Alabama, April 21-23, 1965. (Sponsored by the Technology Utilization Office, Marshall Space Flight Center). Washington, D.C., NASA, 1966. 247p. \$1.50
- U.S.A. National Science Foundation. American science manpower 1962: a report of National Register of Scientific and Technical Personnel. 1964. 155p.
- U.S.A. National Science Foundation. Government-university relationship in federally sponsored scientific research development. RRL
- U.S.A. National Science Foundation. Organisation of the federal government for scientific activities. 1956. 349p.
- U.S.A. National Science Foundation. Proceedings of a conference on research and development, and its impact on the economy. 1958. 323p.
- U.S.A. National Science Foundation. Professional manpower and education in Communist China, by Leo A. Orleans. 1961. 260p.
- U.S.A. National Science Foundation. Research and development in industry 1960: final report on a survey of R & D. Funds and R & D scientists and engineers. 1963. 118p.
- U.S.A. National Science Foundation. Reviews of data on research and development, No. 38, March 1963. 4p. \$ 0.50
- U.S.A. National Science Foundation. Scientific manpower 1962. 1963. 46p.
- U.S.A. National Science Foundation. Scientific personnel resources. 1955. 86p.
- U.S.A. President's Science Advisory Committee. Scientific progress, the universities, and the Federal Government. 1960. 33p.
- U.S.A. National Science Foundation. Scientists and engineers in the federal government, October 1958. 1961. 44p.
- World Federation of Scientific Workers. Charter for scientific worker. London, Federation, 1963. CDRI

Agricultural Research

- Bombay. Grow More Food Policy Committee. Report. 1952. 155p. Rs.3.75
- Commonwealth Economic Committee. Commonwealth agriculture: a review of production, trade and prices compiled in the Intelligence Branch of the Commonwealth Economic Committee. 1964. 268p. 16/-
- Food and Agriculture Organization. Development through food : a strategy for surplus utilization. 1962. 162p. \$ 1.50
- Food and Agriculture Organization of the United Nations. Improvement of agricultural extension services in European countries, prepared by A.H. Maunder. Rome, FAO, 1959. 69p. \$ 0.75
- Gujarat. Economics and Statistics, Bureau of. Evaluation survey of agricultural demonstration plots. 1963. 117p.
- Gujarat. Economics & Statistics, Bureau of. Evaluation survey for distribution and multiplication of improved seeds. 69p. Rs.0.65
- Gujarat. Evaluation, Directorate of. Evaluation survey of intensive agricultural district programme. (Surat and Bulsar). 1965. 48p.
- India. Agricultural Administration Committee, 1957. Report. (Chairman: Surendrasingh Nalagarh). 1958. 85p.
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India. Committee on Plan Projects. Report on seed multiplication schemes (Maharashtra). 1962. 80p.

India. Committee on Plan Projects. Report on seed multiplication schemes (Mysore). 77p.

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India. Committee on Plan Projects. Report on seed multiplication schemes (Rajasthan). 1961. 40p.

India. Committee on Plan Projects. Report on the administration of the improved seed saturation programme in Varanasi District. 1966. (Cyclostyled). 61p.

India. Committee on Plan Projects. Report on seed multiplication schemes (West Bengal). 1961. 51p.

India. Committee on Plan Projects. Agricultural Team. Report on improved agricultural implements (Punjab). 1963. 121p.

India. Community Development, Ministry of. The Gram Sevak's guide for increasing agricultural production. 1958. 96p.

India. Economics and Statistics, Directorate of. Indian agriculture in brief; 6th ed. 1963. 176p. Rs.3.10

India. Education, Health and Lands, Department of. Technological possibilities of agricultural development in India: a note by W. Burns, Officer on Special Duty, 1944. 127p. Rs.5.00

India. Estimates Committee, 1953-54. Sixth report relating to the Ministry of Food and Agriculture. (Conclusions on Forest Research Institute, Central Fisheries Research Institutes, Central Rice Research Institute, ICAR etc.). 1953. 74p.

India. Estimates Committee, 1953-54. 7th report relating to the Ministry of Food and Agriculture. (Deals with Central College of Agriculture, Central Potato Research Institute, etc.). 1954. 52p.

India. Estimates Committee, 1953-54. 10th report relating to the Ministry of Food and Agriculture. (Deals with Cattle-cum-Dairy Farm, Karnal and Indian Dairy Research Institute, Bangalore). 1954. 23p.



- India. Estimates Committee, 1956-57. 38th report on the Ministry of Community Development (Community Projects Administration), Part. I. 1956. 136p.
- India. Estimates Committee, 1956-57. 42nd report on the Ministry of Community Development (Community Projects Administration), Part III. 1956. 82p.
- India. Estimates Committee, 1956-57. 45th report on the Ministry of Community Development (Community Projects Administration), Part IV. 1956.
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India. Estimates Committee, 1960-61. 128th report on the Ministry of Food and Agriculture (Department of Food) on the subject "Central Warehousing Corporation". 1961. 25p.

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India. Estimates Committee, 1964-65. 75th report on the Ministry of Food and Agriculture (Department of Agriculture) - Indian Council of Agricultural Research. 1965. 77p.

India. Estimates Committee, 1964-65. 76th report on the Ministry of Food and Agriculture (Department of Agriculture) - Indian Agricultural Research Institute, New Delhi. 1965. 84p.

India. Estimates Committee, 1964-65. 77th report on the Ministry of Food and Agriculture (Department of Agriculture) - Central Rice Research Institute, Cuttack, 1965. 64p.

India. Estimates Committee, 1964-65. 78th report on the Ministry of Food and Agriculture (Department of Agriculture) - Forest Research Institute and Colleges, Dehra Dun, 1965. 77p.

India. Estimates Committee, 1964-65. 79th report on the Ministry of Food and Agriculture (Department of Agriculture) - Central Potato Research Institute, Simla. 1965. 42p.

India. Estimates Committee, 1964-65. 80th report on the Ministry of Food and Agriculture (Department of Agriculture) - Indian Grassland and Fodder Research Institute, Jhansi and Soil Conservation Research, Demonstration and Training Centres. 1965. 70p.

India. Estimates Committee, 1964-65. 81st report on the Ministry of Food and Agriculture (Department of Agriculture) - National Dairy Research Institute, Karnal and Indian Veterinary Research Institute, Izatnagar. 1965. 89p.

India. Estimates Committee, 1965-66. 98th report on the Ministry of Food, Agriculture, Community Development and Cooperation (Department of Community Development) - Part I : Central programmes. 1966. 171p.

India. Estimates Committee, 1965-66. 99th report on the Ministry of Food, Agriculture, Community Development and Cooperation (Department of Community Development) - Part II : Programmes of Subject-matter Ministries. 1966. 164p.

India. Estimates Committee, 1966-67. 110th report on action taken by Government on recommendations contained in the 81st report. 1966. 38p.

India. Estimates Committee, 1966-67. 111th report on action taken by Government on recommendations contained in the 79th report. 1966. 16p.

India. Fertiliser Distribution Enquiry Committee. 1959. Report. (Chairman: J.S. Patel). 1960. 117p.

India. Food and Agriculture, Ministry of. Agricultural production since independence. 1959. 28p.

India. Food and Agriculture, Ministry of. Report of the Indian delegation to China on agricultural planning and technique. 1956. 199p. Rs 1.00

India. Food and Agriculture, Ministry of. Report of the Minister for Food and Agriculture on his visit to Egypt. 1955. 49p.

India. Food and Agriculture, Ministry of. Report on the research, teaching and public administration of the economics of agriculture in India, by John D. Black and Hugh L. Stewart. 1954. 131p.

India. Food and Agriculture, Ministry of. Rice revolution in India: the introduction and achievements of Japanese method of paddy cultivation in India. 1960. 137p.

India. Food and Agriculture, Ministry of. Expert Committee on Assessment and Evaluation. Report on intensive agricultural district programme, 1961-63. 216p.

India. Food and Agriculture, Ministry of. Grow More Food Enquiry Committee, 1952. Report. 1952. 128p. Rs 1.00

India. Food and Agriculture, Ministry of and Community Development and Co-operation, Ministry of. Report on India's food crisis and steps to meet it. 1959. 259p.

India. Food and Agriculture, Community Development and Cooperation, Ministry of. Expert Committee on Assessment and Evaluation. Second report on intensive agricultural district programme, 1960-65. (Chairman: S.R. Sen). 1966. 437p.

India. Foodgrains Enquiry Committee. 1957. Report. 1957. 191p. Rs 3.12.

India. Planning Commission. Agricultural development in the Fourth plan by V.K.R.V. Rao. 1966. 22p.

India. Planning Commission.  
Report of Indian Delegation to China on agrarian  
co-operatives. 1957. 233p. Rs 1.50.

India. Planning Commission. Self help in agriculture;  
by M.S. Sivaraman. 1958. 7p.

India. Planning Commission. Programme Evaluation  
Organisation. Cotton extension in PEPSU. 1955.  
104p.

India. Planning Commission. Programme Evaluation  
Organisation. Problems of co-ordination in  
agricultural programmes. 1965. 84p.

India. Planning Commission. Programme Evaluation  
Organisation. Study of the multiplication and  
distribution programme for improved seed. 1961.  
285p.

India. Regional Research Laboratory. Cottonseed  
flour : a protein-rich food. Hyderabad, R.R.L.,  
1965. 12p.

India. Spices Enquiry Committee. 1951. Report.  
(Chairman: K.R. Damle). 1953. 199p. Rs 8.00

Indian Agricultural Research Institute. Report of the  
Conference of agricultural scientists. 1949. 31p.

Indian Council of Agricultural Research. Final report  
of the All India Soil Survey Scheme. 1953. 233p.  
Rs 12.75

Indian Council of Agricultural Research. Handbook  
of agriculture. 1961. 761p.

Madras. Agricultural Department. A handbook on  
agricultural education and research in Madras  
State. 1964. 29p. Rs 2.45

Madras. Committee on Agriculture Production, 1958.  
Report. 1959. 260p. Rs 3.00

Madras. Food and Agriculture Department. Glimpses  
of agriculture in China, by P.P.I. Vaidyanathan  
and K.C. Naik. 1958. 18p.

Netherlands. Agriculture and Fisheries, Ministry of.  
Agriculture in the Netherlands. 1962. 108p.



Organisation for Economic Cooperation and Development.  
Co-operative research on input-output relationships  
in use of fertilizers in crop production. 1966. 99p.  
10/6

Organisation for Economic Cooperation and Development.  
Trained manpower for tomorrow's agriculture: a  
report on pilot studies in France and Sweden on  
projecting future needs for people with agricultural  
training and on planning the educational investment  
required to meet those needs. 1966. 243p.

Pakistan. Agricultural Inquiry Committee. 1951. Report.  
(Chairman: Boyd Orr). 1952. 153p. Rs 1.50

Unesco. Agricultural planning and village community  
in Israel. 1964. 159p. 12/6

U.K. Advisory Committee on Agricultural Education. 1963.  
Report. (Chairman: Harry Pilkington). 1966. 100p. 7/6

U.K. Agricultural Research Council. The Agricultural  
research service. 1963. 74p. 5/-

U.K. Agriculture, Fisheries and Food, Ministry of.  
The development of agriculture. (Cmd. 2738).  
1965. 12p. 1/3

U.K. Agriculture, Fisheries and Food, Ministry of.  
The structure of agriculture. 1966. 35p. 3/6

U.K. Committee on the Organization of the Ministry  
of Agriculture and Fisheries, 1949. Report.  
(Chairman: J. Ryan). 1951. 57p.

U.K. Committee on Transactions in Seeds. 1954. Report.  
(Chairman: B.C. Enghelm, Cmd. 300). 1957. 128p. 7/-

U.K. Estimates Committee, 1953-54. 5th report on  
Agricultural research. 1954. 148p. 6/6

U.N. Economic Commission for Asia and Far East.  
Agricultural economic research in Asia and the  
Far East. 1958. 100p.

U.S.A. Agriculture, Department of. Agrarian reform and  
economic growth in developing countries; papers  
from a seminar on research perspectives and problems.  
1962.

U.S.A. Agriculture, Department of. The Central Project Office in the Agricultural Research Service: its functions and facilities. 1956. 14p.

U.S.A. Agriculture, Department of. A graphic summary of world agriculture. 1964. 62p. \$ 0.30

U.S.A. Agriculture, Department of. Scientific careers in the Agricultural Research Service. 1964. 36p. \$ 0.35

U.S.A. Agriculture, Department of. Economic Research Service. Changes in agriculture in 26 developing nations: 1948 to 1963. (Foreign Agricultural Economic Report No. 27).

Vaidyanathan, P.P.I. The organisation of agricultural extension. Madras, Comptroller of Stationery and Printing, 1959. 32p.

#### Medical Research

Bengal, West. Drugs Enquiry Commission. Report. (Chairman: Biren Mookherjee). 1964. 132p. Rs1.25

Bombay. Indian System of Medicine Enquiry Committee, 1947. Report. 1948. 76p. Rs. 0.31

Canada. Royal Commission on Health Services. 1961. Report. (Two volumes; Chairman: Justice Emmett M. Hall). 1964. \$ 16.60

Canada. Royal Commission on Health Services. Medical education in Canada, by J.A. MacFarlane. 1965. 373p. \$ 4.55

Canada. Royal Commission on Health Services. Medical manpower in Canada, by Stanislaw Judek. 1965. 413p. \$ 4.00

Canada. Royal Commission on Health Services. The public finance aspect of health services in Canada, by Eric J. Hanson. 1965. 206p. \$ 2.30

India. Committee on Indigenous Systems of Medicine, 1946. Report. (Two volumes). 1948.

India. Environment Hygiene Committee, 1948. Report.  
1949. 208p. Rs 4.37

India. Health, Ministry of. Progress in the field  
of health during the past ten years in India.  
1957.

India. Health Survey and Development Committee.  
Report (Four volumes). 1946. Rs 2.25

India. Health Survey and Planning Committee, 1959.  
Report. (In Two volumes; chairman: a Lakmanaswami  
Mudaliar). 1961-62.

India. Model Public Health Act Committee, 1953.  
Report. (Chairman: B.C. Das Gupta). 1955. 201p.

India. Pharmaceutical Enquiry Committee. Report.  
(Chairman: S.L. Bhatia). 1954. 402p.

Mysore. Public Health Department. Report on  
reorganisation of medical education and health  
services in Mysore State, by S.L. Bhatia. 1960.  
393p.

New York. Committee for the Special Research Project.  
Health and medical care in the New York City :  
a report. Cambridge, Massachusetts, Harvard Univ.  
Press, 1957. 275p.

U.K. Health Services Council, Scottish. Medical  
superintendents and medical staff committees,  
report by a sub-committee of the Standing  
committee on hospital and specialist services.  
(Chairman: George Henderson). 1957. 27p.

U.K. Health Services Council, Scottish. The  
organisation of laboratory services: report by  
a Committee (Chairman : John Dunlop). 1958. 20p.

U.K. Information, Central Office of. Medical  
research in Britain. 1963. 6lp. 4/-

U.K. Maternity Service Committee, 1956. Report.  
1959. 125p. 6/6

U.K. Medical Research Council. Current medical  
research : a reprint of the articles, in the  
report of the Medical Research Council for the year  
1961-62. 1963. 69p. 5/6

U.P. Public Health and Medical Reorganization  
Committee, 1946. Report. 1947. 103p.

World Health Organization. Medical research  
programme - report on 1958-1963. 1964 293p.  
CDRI

World Health Organisation. Planning of public  
health services : fourth report of the Expert  
Committee on Public Health Administration. 1961.  
48p.

### III ARTICLES

#### Industrial Research

Abelson, Philip H. The President's science advisers. Minerva, Winter 1965, p. 149-58.

Abelson, Philip H. Trends in scientific research. Science, Jan. 17, 1964, p. 218-23.

Abrahamson, Mark. The integration of industrial scientists. Administrative Science Quarterly, Sep. 1964, p. 208-18.

Adiseshiah, M.S. The planned development of scientific research in Africa. Impact of Science on Society, Vol. 14, No. 3 (1964), p. 137-44.

Albareda, J.M. Organisation and trends of scientific research in Spain : Consejo Superior de Investigaciones Cientificas. Impact of Science on Society, Vol. 15, No. 1 (1965), p. 41-55.

Albu, Austen. The member of parliament, the executive and scientific policy. Minerva, Autumn 1963, p.1-20.

Albu, Martin. Science and better management. Socialist Commentary, Jan. 1964, p. 19-22.

Ames, Edward. Research, invention, development and innovation. American Economic Review, June 1961, p. 370-81.

Anderson, Clinton P. Scientific advice for Congress. Science, April 3, 1964, p. 28-32.

Anderson, Clinton P. and Ramey, James T. Congress and research: experience in atomic research and development. Annals of the American Academy of Political and Social Science, Jan. 1960, p. 85-94.

Andrews, Frank M. Scientific performance as related to time spent on technical work, teaching or administration. Administrative Science Quarterly, Sep. 1964, p. 182-93.



- Appleton, Sir Edward V. The relationship between science and administration. (Address delivered in Edinburgh, on Jan. 8, 1965). Science and Culture, Sep. 1965, p. 451-5.
- Appleton, Sir Edward. Shortage of science applicants to universities. Nature, Jan. 16, 1965, p.232-3.
- Ashby, Eric. Collaboration between universities and government laboratories. (Letter). Minerva, Spring 1966, p 406-7.
- Ashby, Sir Eric. Humanities for the technologist. Nature, Sep. 28, 1957, p. 624-7.
- Auerbach, L.E. Scientists in the new deal: a pre-war episode in the relations between science and government in the United States. Minerva, Summer 1965, p. 457-82.
- Auger, Pierre. Freedom or organization in scientific research. Impact of Science on Society, Vol. 16, No. 1 (1966), p. 7-10.
- Awasthi, S.P. An experiment in voluntary repatriation of high-level technical manpower: the scientists' pool. Economic Weekly, Sep. 18, 1965, p. 1447-9, 1451-2.
- Baier, Donald E. How to reduce the shortage of engineers and scientists: a survey of research. Personnel Administration, Sep.-Oct. 1957, p.29-34.
- Bailey, Robert E. and Jensen, Barry T. The troublesome transition from scientist to manager. Personnel, Sep.-Oct. 1965, p. 49-55.
- Balfe, M.P. British Leather Manufacturers' Research Association. Nature, June 27, 1964, p. 1274.
- Baritz, Joseph J. The organization of Soviet research. Bul. of the Institute for the study of U.S.S.R., Sep. 1958, p. 17-24.
- Barnes, Carl E. Get inventions off the shelf. Harvard Business Review, Jan.-Feb. 1966, p.138-9.
- Barnett, Harold J. Research and development, economic growth and national security. Annals of the American Academy of Political and Social Science, Jan.1960, p. 36-49.

- Barr, John. Is the brain drain gaining pace ? New Society, Sep. 9, 1965, p. 5-7.
- Baruah, Dr. Parrukutty. Scientific research needs understanding. Assam Tribune, Dec, 26, 1965, Supplement p. 1.
- Bauer, Raymond A. and Field, Mark G. Ironic contrast: US and USSR drug industries. Harvard Business Review, Sept.-Oct. 1962, p. 39-97.
- Belgium's policy for the sciences. OECD Observer, Feb. 1966, p. 6-9.
- Ben-David, Joseph. Scientific endeavor in Israel and the United States. American Behavioral Scientist, Dec. 1962, p. 12-16.
- Ben-David, Joseph. Scientific productivity and academic organisation in nineteenth century medicine. American Sociological Review, Dec. 1960, p. 828-43.
- Ben-David, Joseph. The scientific role: the conditions of its establishment in Europe. Minerva, Autumn 1965, p. 15-54.
- Bennett, John B. Sizing up the costs of research and engineering abroad. Management Review, June 1961, p. 49-55.
- Bernal, Prof. J.D. Organization of scientific workers. Science and Culture, 1946-47, Vol. 12, p. 158-60.
- Bernal, Prof. J.D. Public policy and science, Political Quarterly, Jan.-March 1967, p. 10-26.
- Bhabha, H.J. Indian science - two methods of development. Science and Culture, July 1966, p. 333-42.
- Bhabha, H.J. Science and the problems of development. Science, Feb. 4, 1966, p. 541-8.
- Bhatnagar, S.S. Scientific research and state aid for the development of industries in India. Science and Culture, 1938, Vol. 4, p. 343-8.
- Bhatt, V.V. Accelerating technical change. International Development Review, March 1967, p. 25-6.

- Bhattacharya, Asit. Scientific research and bureaucracy. Economic Weekly, Dec. 14, 1963, p. 2035, 2037.
- Bibby, Dr. Cyril. Science as an instrument of culture. Nature, April 25, 1964, p. 331-3.
- Bierer, Bion B., Jr. Marketing R & D for military products. Harvard Business Review, Sep. -Oct. 1962, p. 111-20.
- Biswas, Dr. Sanat. Space science and technology. Hitvada, Aug. 15, 1967, p. 4.
- Black, Prof. Misha. Education for industrial design. Nature, March 28, 1964, p. 1258-64.
- Blackett, Prof. P.M.S. The ever widening gap. Science, Feb. 24, 1967, 959-64.
- Blackett, Prof. P.M.S. Science, technology and world advancement. Nature, Feb. 3, 1962, p. 416-20.
- Blackett, Prof. P.M.S. Wanted: a wand over Whitehall - professionalising the civil service. New Statesman, Sep. 11, 1964, p. 346, 348, 350.
- Blount, B.K. Consejo Superior de Investigaciones Cientificas, Spain. Nature, Jan. 23, 1965, p. 340-41.
- Bolton, John. Industry and the inventor. Listener, May 8, 1958, p. 750-60, 784.
- Booker, Henry G. Academic organization in physical science. Science, Oct. 2, 1964, p. 35-7.
- Bose, D.M. Planning, research utilization and defence. Science and Culture, Jan. 1963, p. 1-3.
- Bose, D.M. Scientific education and research in the Calcutta University during the last hundred years. Science and Culture, 1957, Vol. 22, p. 405-12.
- Bose, S.K. Technological institutes: a new dimension in education in India. Impact of Science on Society, Vol. 15, No. 3 (1965), p. 187-94.

Boutry, Georges Albert. Some aspects of the problems of scientific information. Impact of Science on Society, Vol. 12, 1962, p. 203-10.

Boxer, L.W. Interaction of technologies. Nature, Sep. 11, 1965, p. 1121-5.

Boyle, Sir Edward. Technical education in Britain. Nature, April 27, 1963, p. 334-6.

Bray, Jeremy. Research and output : the position in British industry today. Aspect, 1963, p. 33-41.

Brode, Wallace R. Approaching ceilings in the supply of scientific manpower. Science, Jan. 24, 1964, p. 313-24.

Brooks, Harvey. The President's science advisers. (Letter - on Dr. Abelson's article and reply). Minerva, Spring 1965, p. 392-8.

Brown, Warren B. and Goslin, L.N. R & D conflict : manager vs. scientists. Management Review (New Delhi), Sep. 1965, p. 8-9, 11-16, 30.

Brozen, Yale. The role of government in research and development. American Behavioral Scientist, Dec. 1962, p. 22-7.

Brundrett, Sir Frederick. Science and the armed services in the second world war. Nature, May 15, 1965, p. 651-2.

Burnham, Edward P. Controlling the costs of research. Management Review, Aug. 1958, p. 20-4.

Buzzati-Traverso, Adriano A. Scientific research : the case for international support. Science, June 11, 1965, p. 1440-4.

Cadambe, V. Engineering education and requirements of industry. Science and Culture, 1955, Vol. 21, p. 237-41.

Cadambe, V. Engineering research and industrial development. Science and Culture, 1956, Vol. 21, p. 700-5.

- Calder, R. Common understanding of science. ( On communication difficulties both within science itself, and between science and the public). Impact of Science on Society, Vol. 14, No. 3 (1964), p. 179-95.
- Calder, Prof. Ritchie. Science in a state of siege. Nature, May 30, 1964, p. 843-7.
- Calder, Ritchie. Science in a state of siege. Science and Culture, Oct. 1964, p. 469-75.
- Campbell, Louise. Science in Japan. Science, Feb. 21, 1964, p. 776-82.
- Carey, William D. Budgeting for science: Presidential responsibility. Annals of the American Academy of Political and Social Science, Jan. 1960, p.76-84.
- Carmichael, Dr. Leonard. James Smithson : pathfinder in science and philanthropy. Nature, Oct. 23, 1965, p. 321-4.
- Carter, C.F. The distribution of scientific effort. Minerva, Winter, 1963, p. 172-81.
- Carter, C.F. Government and technology. Nature, May 15, 1965, p. 652-4.
- Carter, C.F. Problems of economic growth. Nature, Oct. 19, 1963, p. 210-12.
- Carter, C.F. and Williams, B.R. Government scientific policy and the growth of the British economy. Minerva, Autumn 1964, p. 114-25.
- Carter, Launor F. National document-handling systems in science and technology. Science, Dec. 9, 1966, p. 1299-1304.
- Chagas, C. Training of scientists and technicians in Latin America. Impact of Science on Society, Vol.13, No.3 (1963), p. 201-11.
- Chambers, S.P. Education and industry. Nature, July 18, 1964, p. 227-30.
- Chambers, S.P. Science and mankind . Nature, Sep. 5, 1964, p. 1010-13.



Chastain, Clark E. Science, technology and economic growth. Impact of Science on Society, Vol. 14, No. 4 (1964), p. 239-48.

Cherry, Prof. Colin. The scientific revolution - and communication. Nature, Oct. 26, 1963, p. 308-12.

Chinneek, A. The National Physical Laboratory. Nature, Aug. 8, 1964, p. 579-82.

Choudhury, Prasanta. Science in perspective. Science and Culture, Feb. 1964, p. 80-2.

Chowdhury, P.N. and Rahman, A. Inhibitions to utilisation. Seminar, June 1966, p. 33-7.

Choudhury, Uma Datta Roy. Technological change in the Indian economy, 1950-1960. Economic and Political Weekly, Aug. 20, 1966, p. 37-48.

Christopherson, D.G. Educating future technologists. Listener, Sep. 12, 1957, p. 391,394.

Cohen, Alvin. The technology/elite approach to the developmenntal process: Peruvian case study. Economic Development and Cultural Change, April 1966, p. 323-33.

Cohen, Prof. John. The scientific revolution and leisure. Nature, June 15, 1963, p. 1028-33.

Cook, Leslie G. How to make R & D more productive. Harvard Business Review, July-Aug. 1966, p. 145-53.

Cook, Leslie G. and Hazzard, George W. Mature research institutions and the older scientist. Science, Nov. 5, 1965, p. 716-19.

Cooper, Arnold C. R & D is more effective in small companies. Harvard Business Review, May-June 1964, p. 75-83.

Cooper, Joseph D. Onward the management of science: the Wooldridge report. Science, June 11, 1965, p. 1433-9.

Cooper, Rustom C. Industrial research - I : essential for development. Times of India, March 30, 1967, p. 8.

- Cooper, Rustom C. Industrial research - II : conditions in private sector. (Concluded). Times of India, March 31, 1967, p. 10.
- Correa, Hector. Technology, employment and economic growth. Indian Journal of Labour Economics, April-July 1964, p. 137-59.
- Corson, John J. Innovation challenges conformity. Harvard Business Review, May-June 1962, p. 67-74.
- Crane, Diana. Scientists at major and minor universities: a study of productivity and recognition. American Sociological Review, Oct. 1965, p. 699-714.
- Crawford, Malcolm. Thoughts on chemical research and teaching in East Africa. Minerva, Winter 1966, p. 170-85.
- Crossman, R.H.S. Scientists in Whitehall : thoughts on the eve. Encounter, July 1964, p. 3-10.
- Danckwerts, Prof. P.V. Science versus technology: the battle for brains. Nature, Oct. 19, 1963, p. 219-20.
- D'Aeth, Prof. R. Proposal for an Educational Research Council and some of its implications. Nature, Oct. 12, 1963, p. 116-18.
- Dart, Francis E. and Pradhan, Panna Lal. Cross-cultural teaching of science. Science, Feb. 10, 1967, p. 649-56.
- Das, D.B. Scientific research in relation to the national development. Science and Culture, 1957, Vol. 23, p. 230-3.
- Das, G.N. Scientific research in India: considerable progress made, but still much behind even China. Commerce, May 30, 1959, p. 908-9.
- De Bellefonds, Josette. Woman and engineering. Impact of Science on Society, Vol. 14, No. 4 (1964), p. 249-62.
- DeForest, J.D. Low levels of technology and economic development prospects. Social Science, June 1963, p. 131-9.

- De Grazia, Alfred. A concept of scientists and their organization. American Behavioral Scientist, Dec. 1962, p. 30-4.
- De Grazia, Alfred. The government in behavioral science: some critical notes. American Behavioral Scientist, May 1964, p. 25-31.
- De Hemptinne, Y. The science policy of States in course of independent development. Impact of Science on Society, Vol. 13, No. 3 (1963), p.233-47.
- De Reuck, A.V.S. Popularizing science. Nature, July 25, 1964, p. 340-1.
- Dedijer, Stevan. Migration of scientists: a world-wide phenomenon and problem. Nature, March 7, 1964, p. 964-7.
- Dedijer, Stevan. Research policy - its makings and measurement. Science and Culture, Jan.1963, p.3-12.
- Dedijer, Stevan. The science of science: a programme and a plea. Minerva, Summer 1966, p. 489-504.
- Dedijer, Stevan. Scientific research and development: a comparative study. Nature, Aug. 6, 1960, p.458-61.
- Dedijer, Stevan. Scientists and the national research policy. Science and Culture, Feb. 1963, p. 61-73.
- Dedijer, Stevan. Underdeveloped science in under-developed areas. Minerva, Autumn 1963, p. 61-81.
- Dedijer, Stevan. The unity of scientific policy. (Letter). Minerva, Autumn 1964, p. 126-9.
- Dell, Edmund. Can scientists manage? New Society, Sep. 10, 1964, p. 9-10.
- Delsemme, A.H. Pilot experiments in international scientific co-operation. OECD Observer, April 1965, p. 39-41.
- Dembitzer, R. Cambridge meeting of the British Association for the Advancement of Science. Nature, July 31, 1965, p. 454-6.

- Deutsch, Arnold R. Scientists and engineers, where recruiting ads go wrong. Management Review, Oct. 1961, p. 26-35.
- DeWitt, Nicholas. The politics of Soviet science. American Behavioral Scientist, Dec. 1962, p.7-11.
- Dey, Sushil Kumar. Development through intermediate technology. Quest, Jan.-Feb. 1966, p. 9-13.
- Dick, I.D. 'Scientist in government'. (Review article on Earl W. Lindveit's book "Scientist in government"). New Zealand Journal of Public Administration, March 1961, p. 153-6.
- Divita, Sal F. Selling R & D to the government. Harvard Business Review, Sep.-Oct. 1965, p. 62-75.
- Dobrov, G.M. Predicting the development of science - scientific policy in the U.S.S.R. - some problems of scientific policy in the Soviet Union. Minerva, Winter 1966, p. 215-30.
- Drucker, Peter F. Twelve fables of research management. Harvard Business Review, Jan.-Feb. 1963, p. 103-8.
- Dubarle, D. Some remarks on "Criteria for scientific choice : II ". (Letter). Minerva, Winter 1965, p. 261-4.
- DuBridge, Lee A. Policy and the scientists. Foreign Affairs, April 1963, p. 571-88.
- Dupree, A. Hunter. Central scientific organization in the U.S. government. Minerva, Summer 1963, p. 453-69.
- Dutt, Vishnu. Scientific research: a story of extravagance. Times of India, Aug. 7, 1967, p. 8.
- Eckaus, Richard S. Notes on invention and innovation in less developed countries. American Economic Review, May 1966, p. 98-109.
- Edinburgh, Duke of. Engineers of the humanities, science and technology. Nature, May 1, 1965, p. 439-42.
- Edwards, Dr. E.G. Colleges of advanced technology in Britain. Nature, Sep. 21, 1963, p. 1131-6.

- Ellis, W.W. The federal government in behavioral science : fields, methods, and funds. American Behavioral Scientist, May 1964, p. 3-24.
- Encel, S. Science and government policy. Public Administration (Australia), June 1965, p. 104-16.
- Encel, S. Science and government policy - II: the United States of America. Public Administration (Australia), Dec. 1965, p. 298-309.
- Encel, S. Science and government policy - III : the Soviet Union. Public Administration (Australia), June 1966, p. 104-14.
- England, J. Merton. Institutional grants of the National Science Foundation. Science, June 25, 1965, p. 1693-6.
- Etzioni, Amiti. On the national guidance of science. Administrative Science Quarterly, March 1966, p. 466-87.
- Ewusie, J. Yanney. National scientific objectives and the organization of science in Ghana. Impact of Science on Society, Vol. 16, No. 2 (1966), p. 131-9.
- Expenditure in Indian national laboratories. Nature, 1965, Vol. 206, p. 873-4.
- Expenditure on scientific and industrial research in India. Nature, 1964, Vol. 201, p. 1076-7.
- Federal support of science : a formula for co-operation. (National Academy Public Policy Committee offers suggestions for eliminating sources of difficulty). Science, March 20, 1964, p. 1300-3.
- Finniston, Dr. H.M. University science and industry. Political Quarterly, Jan.-March 1967, p. 27-40.
- Fleck, Sir. Alexander. Science and business: a balanced partnership. (Presidential address to the British Association meeting on 27th Aug. 1958). Nature, Aug. 30, 1958, p. 573-8.
- Fleming, D.R. The big money and high politics of science. Atlantic Monthly, Aug. 1965, p. 41-5.



Florey, Sir Howard. Development of modern science.  
Nature, Nov. 2, 1963, p. 397-402.

Florey, Sir Howard. Prestige in academic scientific  
research. Nature, March 17, 1962, p. 1017-18.

Foecke, Harold A. Continuing education for engineers.  
Science, May 13, 1966, p. 880-3.

Fox, C.S. Some aspects of scientific and industrial  
research in India. Science and Culture, 1943,  
Vol. 9. p. 109-12.

Fox, F.A. Management problems and methods in the  
scientific and professional field. Public  
Administration (Australia), Dec. 1959, p.313-25.

Freeman, C. and others. Science, economic growth and  
government policy, background paper for the  
Ministerial meeting on Science held in Paris, 3-4  
Oct., 1963. (OECD, 1963). Minerva, Winter 1964,  
p. 232-42.

French science policy. OECD Observer, Aug. 1966,  
p. 10-14.

Friedlander, Frank and Walton, E. Positive and  
negative motivations toward work. Administrative  
Science Quarterly, Sep. 1964, p. 194-207.

Gabor, Prof. Dennis. Technology, life and leisure.  
Nature, Nov. 9, 1963, p. 513-18.

Gaddis, Paul O. The project manager. Harvard  
Business Review, May-June 1959, p. 89-97.

Gaussens, Jacques and Bonnet, Robert. The applications  
of nuclear energy: technical, economic and social  
aspects. Impact of Science on Society, Vol. 17,  
No. 1 (1967), p. 75-100.

Ghandy, Sir Jehangir. Some thoughts on scientific research  
in India. Science and Culture, Feb. 1963, p.73-7.

Ghaswala, S.K. Planning technological development.  
Science and Culture, July 1965, p. 335-43.

Ghosh, C.S. Trends in engineering education and  
research. Science and Culture, 1958, Vol. 23,  
p. 638-45.

Ghosh, J.C. A national research council for India. Science and Culture, 1944, Vol. 9, p. 255-8.

Ghosh, J.C. Post-war organisation of scientific research in India. Science and Culture, 1948, Vol. 9, p. 135-9.

Gill, Richard Rockingham. Problems of decision - making in Soviet science policy. Minerva, Winter 1967, p. 167-97.

Gillespie, D.T.C. Research management in the Commonwealth Scientific and Industrial Research Organization, Australia. Public Administration (UK), Spring 1964, p. 11-31.

Glaser, Barney G. Attraction, autonomy, and reciprocity in the scientist - supervisor relationship. Administrative Science Quarterly, Dec. 1963, p. 379-98.

Glaser, Barney G. Comparative failure in science. Science, March 6, 1964, p. 1012-14.

Glass, Bentley. The Japanese science education centers. Science, Oct. 14, 1966, p. 221-8.

Gogna, P.R. Management of industrial research and development - effectiveness of personnel. Management Review (New Delhi), July 1965, p.13-17, 19-20.

Goldsmith, Dr. Maurice. The autonomy of science: Some thoughts for discussion. Political Quarterly, Jan.-March 1967, p. 81-9.

Goldsmith, Maurice. The science of science foundation. Nature, Jan. 2, 1965, p. 10.

Golovin, Nicholas E. Management and the creative person in science. Personnel Administration, Nov.-Dec. 1961, p. 4-10.

Gonzalez, Arturo F., Jr. Two-way flow of experts : is brain drain foreign aid? Tribune, 2nd April 1967, p. 4.

Grant, Julius. Function of an industrial research laboratory. Nature, Aug. 1, 1964, p. 467-8.

- Grant, Robert P. National biomedical research agencies: a comparative study of fifteen countries. Minerva, Summer 1966, p. 466-88.
- Greenberz, D.S. Congress and science: Daddario study casts doubts on proposals to establish advisory service. Science, Aug. 28, 1964, p. 904-5.
- Greenfield, M. Science goes to Washington, (On role of scientists in government). Reporter, Sep. 26, 1963, p. 20-6.
- Greig, James. Science museums in developing countries. Nature, Feb. 15, 1964, p. 669-70.
- Gresford, G.B. Regional organization of research in Australia and South-East Asia. Nature, Oct. 31, 1964, p. 432.
- Groenman, S.T. A register of scientific research in the Netherlands. Nature, Oct. 2, 1965, p. 28-9.
- Gross, Paul M. The fifth estate in the seventh decade. Science, Jan. 3, 1964, p. 13-20.
- Gross, Paul M. R & D, and the relations of science and government. Science, Nov. 8, 1963, p. 645-50.
- Grossfield, K. Government support for research and development. National Provincial Bank Review, Feb. 1967, p. 6-10.
- Grossfield, K. Inventions as business. Economic Journal, March 1962, p. 12-26.
- Grossfield, K. and Heath, J.B. The benefit and cost of government support for research and development: a case study. Economic Journal, Sept. 1966, p. 537-49.
- Grubel, Herbert G. The brain drain : a U.S. dilemma. Science, Dec. 16, 1966, p. 1420-24.
- Grubel, Herbert B. and Scott, Anthony D. The international flow of human capital. American Economic Review, May 1966, p. 268-74.
- Gunn, Lewis A. Organising for science in Britain: some relevant questions. Minerva, Winter 1967, p. 167-97.

Gupta, Amalendu Das. Science and government. (In two parts). Statesman, 22nd & 23rd June 1964.

Gustafson, W. Eric. Research and development, new products, and productivity change. American Economic Review, May 1962, p. 177-85.

Gustavsson, Sverker. Research into research. Nature, July 4, 1964, p. 26-7.

Gutierrez - Olivos Sergio. Science, foreign relations and government in developing nations. Nature, Dec. 5, 1964, p. 916-18.

Hailsham, Viscount. Research in the universities. Nature, Dec. 2, 1961, p. 787-91.

Hailsham, Viscount. Role of higher education in the modern state with special reference to physics. Nature, March 10, 1962, p. 919-21.

Hailsham, Viscount. Science and government in a free society. Nature, Nov. 4, 1961, p. 393-8.

Hailsham, Viscount. Science and government in a free society. Universities Quarterly, June 1962, p. 250-63.

Hailsham, Viscount. Scientists in society today. Nature, Dec. 14, 1957, p. 1311-12.

Halsey, A.H. Science and government in Sweden: impressions from an OECD conference. Minerva, Autumn 1963, p. 54-60.

Handler, Philip. Federal science policy. Science, March 3, 1967, p. 1063-6.

Haniotis, G.V. An exercise in voluntary repatriation in Greece. OECD Observer, Aug. 1964, p. 12-15.

Haniotis, George V. The search for a national scientific policy in Greece. Minerva, Spring 1965, p. 312-20.

Hashimoto, U. An historical synopsis of education and science in Japan from the Meiji restoration to the present day. Impact of Science on Society, Vol. 13, No. 1, (1963), p. 3-23.

- Haskell, Dr. P.T. The Anti-Locust Research Centre, London. Nature, July 18, 1964, p. 233-4.
- Hawkins, T.H. Chemical plant management. Nature, April 20, 1963, p. 249-50.
- Heap, Wendy. Polymer research for industry. Nature, Dec. 12, 1964, p. 1030-2.
- Hearle, Dr. J.W.S. Interaction of technologies. Nature, Sep. 18, 1965, p. 1229-32.
- Hennessy, Jossleyn. The American brain drain. (On relative expenditure of different countries on research and development). Eastern Economist, July 8, 1966, p. 64, 67-8.
- Herman, Hamilton. Uncovering new sources of product ideas. Management Review, Dec. 1960, p. 10-16.
- Higgins, Carter C. Inside R & D : a guide for bewildered business men. Management Review, April 1957, p. 75-9.
- Hill, Dr. Douglas W. The Shirley Institute. Nature, July 6, 1963, p. 15-18.
- Hill, Forest G. Formative relations of American enterprise, government and science. Political Science Quarterly, Sep. 1960, p. 400-19.
- Hinshelwood, Sir Cyril. Science and scientists. Science and Culture, Oct. 1965, p. 503-11.
- Hirsch, Abraham M. Programming the international transfer of technical skills. Public Administration Review, March 1964, p. 29-35.
- Hirschman, Albert O. and Lindblom, C.E. Economic development, research and development, policy making : some converging views. Behavioral Science, April 1962, p. 211-22.
- Hitchcock, Lauren B. Increasing the payoff on R & D : a unique experiment in multiple management. Management Review, Oct. 1959, p. 9-13.
- Hogg, Quintin. The laboratory of the government chemist. Nature, May 23, 1964, p. 742-3.



- Hogg, Quintin. Specific present and foreseeable impacts of science on political life. Nature, July 11, 1964, p. 119-23.
- Holford, Sir William. Architecture, technology and South Kensington. Nature, Nov. 14, 1964, p. 616-18.
- Holliday, L. Interaction of technologies. Nature, Jan. 19, 1963, p. 222-6.
- Holton, Gerald. The organization of scientific work among the sciences and in relation to technology and culture. Impact of Science on Society, Vol. 16, No. 1, (1966), p. 18-22..
- Honey, John C. The challenge of government science. Annals of the American Academy of Political and Social Science, Jan. 1960, p. 1-9.
- Hookway, Dr. H.T. The Office for Scientific and Technical Information. Nature, July 17, 1965, p. 234-6.
- Hudson, Liam. Academic sheep and research goats. (On picking out young scientists capable of original research). New Society, Oct. 22, 1964, p. 9-13.
- Hughes, T.P. Application of lasers. Nature, June 27, 1964, p. 1273.
- Humphrey, Hubert H. The need for a Department of Science. Annals of the American Academy of Political and Social Science, Jan. 1960, p. 27-35.
- Husaini, S.H.M. and others. Research in industry in India. Nature, July 10, 1965, p. 125-7.
- Indian scientific policy : memorandum submitted to the Review Committee of the Council of Scientific and Industrial Research on national research laboratories. Minerva, Summer 1964, p. 519-30.
- Indian scientific policy - a scientific policy resolution. (4th March 1958). Minerva, Winter 1964, p. 243-56.
- Institute of Political and Social Studies, Calcutta. Memorandum submitted to the Review Committee of the Council of Scientific and Industrial Research on national research laboratories. Minerva, 1964, Vol. 2, p. 519-30.

- Insull, David and Lind, Harold. Government's role in applying science to industry. Planning, July 29, 1963, Complete Issue, p. 285-323.
- The International Research and Development Co., Ltd. Nature, Feb. 9, 1963, p. 529-33.
- Intriligator, Michael D. and Smith, B.L.R. Some aspects of the allocation of research effort between teaching and research. American Economic Review, May 1966, p. 494-507.
- Ismail, Abdel Fattah. Current trends in science policy in the United Arab Republic. Impact of science on Society, Vol. 12, 1962, p. 103-18.
- Italy. The reform of the organisation of scientific research in Italy. (Text of law enacted in 1963). Minerva, Winter 1964, p. 225-31.
- Italy. Scientific policy in Italy. (Proceedings of a Study Group held in Rome on 2 and 3 Dec. 1961). Minerva, Winter 1964, p. 210-24.
- Jackson, Sir Willis. Scientific, technological and technical manpower. Nature, Dec. 21, 1963, p. 1145-51.
- Jackson, Sir Willis. Second Parliamentary and Scientific Conference. Nature, July 11, 1964, p. 118-19.
- Jewkes, John. The sources of invention. Lloyds Bank Review, Jan. 1958, p. 17-28.
- Jhingan, M.L. Choice of techniques in underdeveloped countries. AICC Economic Review, July 1, 1967, p. 17-20.
- Johnson, Harry G. The economics of the "brain drain". (Letter). Minerva, Winter 1966, p. 273-4.
- Johnson, Harry G. The economics of the "brain drain" : the Canadian case. Minerva, Spring 1965, p. 299-311.
- Johnson, Harry G. Federal support of basic research: some economic issues. Minerva, Summer 1965, p. 500-14.
- Johnstone, Prof. R. Edgeworth. Some thoughts on engineering education. Nature, Feb. 17, 1962, p. 618-22.

Jones, Prof. R.V. Impotence and achievement in physics and technology. Nature, July 10, 1965, p. 120-5.

Jones, Prof. R.V. Science and the state. Nature, Oct. 5, 1963, p. 7-14.

Jones, Prof. R.V. Scientists and statesmen: the example of Henry Tizard. Minerva, Winter 1966, p. 202-14.

Jones, Prof. R.V. Sir Henry Tizard (1885-1959). Nature, March 6, 1965, p. 942-52.

Joravsky, David. Soviet scientists and the great break. Daedalus, Summer, 1960, p. 562-81.

Jordan, Lloyd F. Coordinated planning for science in Communist Europe. Science, Feb. 17, 1966, p. 796-802.

Joshi, A.C. Science policy and the coming elections. Science and Culture, Oct. 1966, p. 474-6.

Kagal, Nandan. The flight of talent. Indian Express, 23rd Feb. 1967, p.4.

Kapitza, Peter L. Scientific policy in the U.S.S.R. : problems of Soviet scientific policy. Minerva, Spring 1966, p. 391-7.

Kapitza, Peter L. Scientific policy in the U.S.S.R.: the scientist and the plans. Minerva, Summer 1966, p. 555-60.

Kaplan, Norman. Research administration and the administrator: U.S.S.R. and U.S. Administrative Science Quarterly, June 1961, p. 51-72.

Kaplan, Norman. The Western European scientific establishment in transition. American Behavioral Scientist, Dec. 1962, p. 17-21.

Karger, D.W. and Murdick, R.G. Product design, marketing, and manufacturing innovation. California Management Review, Winter 1966, p. 33-42.

Kaysen, Carl. The complexity of scientific choice. (Letter). Minerva, Spring 1966, p. 398-400.

Kaysen, Carl. Federal support of basic research.  
(From 'Basic research and national goals' a report  
to the Committee on Science and Astronautics, by  
the National Academy of Sciences). Minerva, Winter  
1966, p. 254-72.

Keezer, Dexter M. The outlook for expenditures on  
research and development during the next decade.  
American Economic Review, May 1960, p. 355-60.

Keezer, Dexter M. Research and technology: a new  
era begins. Management Review, Feb. 1960, p.23-7.

Kelton, Gilbert. Recruiting scientific personnel.  
Personnel Administration, July-Aug. 1961, p.14-18,31.

Kennedy, Edgar. Training Turkish youth for future  
scientific needs. OECD Observer, Feb. 1965,  
p. 39-41.

Kerr, J.R. Congress and space: overview or oversight?  
Public Administration Review, Sep. 1965, p. 185-92.

Kidd, Charles V. The economics of the "brain drain".  
(Letter). Minerva, Autumn 1965, p. 105-7.

Kidd, Charles V. The growth of science and the  
distribution of scientists among nations. Impact  
of Science on Society, Vol. 14, No. 1, (1964),  
p. 5-18.

Kidd, Charles V. Research on research in Venezuela.  
Science, Aug. 13, 1965, p. 727-9.

Kidwai, A.J. Collaboration between universities and  
government laboratories. (Letter). Minerva, Spring  
1966, p. 402-6.

King, Dr. Alexander. Education and change. Nature,  
June 12, 1965, p. 1078-83.

King, Dr. Alexander. A policy for science. OECD  
Observer, Jan. 1963, p. 19-22.

King, Dr. Alexander. Towards a national science policy.  
Impact of Science on Society, Vol. 12, 1962, p.157-75.

Kirkman, A.J. Turning scientists into free thinkers.  
Nature, June 26, 1965, p. 1293-5.

Kirsh, Benjamin S. Report of President's National Commission on Technology, Automation and Economic Progress. Personnel Journal, April 1966, p.232-6.

Klaw, Spencer. The nationalization of U.S. Science. Management Review (U.S.A.), Oct. 1964, p. 47-50.

Klein, Burton H. A radical proposal for research and development. Fortune, May 1958, p. 112-13,218,222, 224,226.

Klein, Herbert E. Stretching the research budget. Management Review, Jan. 1963, p. 51-4.

Krishnaji. Development of scientific research in India: a casualty. Science and Culture, 1961, Vol. 27, p. 128-34.

Krishnamurthi, K.G. Looking ahead in science. Work Improvement, Nov.-Dec. 1961, p. 61-3.

Krohn, Roger G. The scientist - a changing social type. American Behavioral Scientist, Dec. 1962, p. 48-51.

Krugman, Herbert T. and Edgerton, H.A. Profile of a scientist-manager. Personnel, Sep.-Oct. 1959, p. 38-49.

Kyte, Aillen L. Motivating and appraising scientific personnel. Management Record, June 1961, p. 2-10.

La Porte, Todd R. Conditions of strain and accommodation in industrial research organizations. Administrative Science Quarterly, June 1965, p. 21-38.

Lakshminarayanan, N. Linking research to development. Economic and Political Weekly, Oct. 8, 1966, p.314-15.

Langevin, Luce. Lomonosov and the science of his day. Impact of Science on Society, Vol. 13, No. 2 (1963), p. 93-119.

Lecerf, D. Major research and development programmes as instruments of economic strategy. Impact of Science on Society, Vol. 17, No. 2, 1967, p. 115-34.

Leiserson, Avery. Scientists and the policy process. American Political Science Review, June 1965, p. 408-16.



- Lennox, F.G. C.S.I.R.O. Division of Protein Chemistry, Melbourne. Nature, Jan. 25, 1964, p. 350-51.
- Leontief, Wassily. On assignment of patent rights on inventions made under government research contracts. Harvard Law Review, Jan. 1964, p. 492-7.
- Levitt, Theodore. Innovative imitation. Harvard Business Review, Sept.-Oct. 1966, p. 63-70.
- Lilley, Dr. S. The scientific revolution and industrial processes. Nature, June 22, 1963, p. 1132-7.
- Lines, Dr. A.W. and Lust, Dr. R. The European Space Research Organisation (ESRO). Nature, May 30, 1964, p. 847-8.
- Linstead, Sir Patrick. The Prince Consort and the founding of the Imperial College. Nature, Jan. 13, 1962, p. 107-13.
- Lipson, Dr. M. Textile research in Australia. Nature, June 22, 1963, p. 1149-50.
- Lonsdale, Dame Kathleen. Science and ethics. Nature, Jan. 20, 1962, p. 209-14.
- Lorsch, Jay W. and Lawrence, Paul R. Organizing for product innovation. Harvard Business Review, Jan.-Feb. 1965, p. 109-22.
- Macy, John W., Jr. The scientist in the federal service. Science, April 2, 1965, p. 51-4.
- McKnight, A.D. The role of the public servant in research. Public Administration (Australia), June 1961, p. 139-54.
- Mackay, A. An outsider's view of science in Japan. Impact of Science on Society, Vol. 12, 1962, p. 177-201.
- McLaughlin, G.H. Research into the acceptance of technical change. Nature, April 20, 1963, p. 238-9.
- Maddison, Angus. Foreign skills and technical assistance in economic development. OECD Observer, June 1966, p. 11-13.
- Maddox, John. Choice and the scientific community. Minerva, Winter 1964, p. 141-59.

- Maddox, John. The right trend? Guardian, Nov. 5, 1963, p.6.
- Maddox, John. Science policy shapes up as issue in coming British election. Science, March 13, 1964, p. 1146-8.
- Mahalanobis, P.C. A note on problems of scientific personnel. Science and Culture, 1961, Vol. 27, p. 110-28.
- Mahalanobis, P.C. Objectives. Seminar, June 1966, p. 38-43.
- Mahalanobis, P.C. Role of science in economic and national development. Eropa Review, June 1964, p. 51-61.
- Mahar, James F. and Coddington, Dean C. The scientific complex - proceed with caution: Harvard Business Review, Jan.-Feb. 1965, p. 140-55.
- Maheshwari, P. Indian scientific policy: science and government. Minerva, Autumn 1964, p. 99-113.
- Mainzer, Lewis C. Scientific freedom in government sponsored research. Journal of Politics, May 1961, p. 212-30.
- Mainzer, Lewis C. The scientist as public administrator. Western Political Quarterly, Dec. 1963, p. 814-29.
- Makower, C.S. National Coal Board Mining Research Establishment. Nature, Aug. 28, 1965, p. 924-5.
- Malecki, I. Some problems concerning organization of scientific research in the developing countries. Impact of Science on Society, Vol. 13, No.3 (1963), p. 181-99.
- Mandell, Melvin. Pros and cons of government-sponsored research. Management Review, Jan. 1962, p. 64-7.
- Manders, C.R.S. Fisheries research in Japan. Nature, May 23, 1964, p. 755-7.
- Mansfield, Edwin. National science policy: issues and problems. American Economic Review, May 1966, p. 476-88.

Mansfield, Edwin. Rates of return from industrial research and development. American Economic Review, May 1965, p. 310-22.

Margerison, Dr. T.A. Hopes and fears for the age of leisure. Political Quarterly, Jan-March 1967, p. 72-80.

Marinic, Dr. Irica. Scientific research in Yugoslavia. OECD Observer, Dec. 1964, p. 36-7.

Markham, Jesse W. Market structure, business conduct, and innovation. American Economic Review, May 1965, p. 323-32.

The Massachusetts Institute of Technology: second century fund campaign. Nature, June 15, 1963, p. 1033-6.

Matveyev, A. Science and technology in the development of Latin America. (Conclusions of the Conference on the Application of Science and Technology to the Development of Latin America, organised by Unesco). Impact of Science on Society, Vol 15, No. 4 (1965), p. 205-10.

Mendelssohn, Kurt. Japanese science today. Science and Culture, March 1963, p. 118-20.

Mendelssohn, Kurt. Science in India. Listener, Sep. 24, 1964, p. 457-9.

Mesthene, Emmanuel G. Ministers talk about science. OECD Observer, Oct. 1963, p. 36-7.

Miles, Stephen B., Jr. and Vail, T.E. Executive and scientist: management duel or dual management? Management Review, March 1960, p. 37-9.

Milner, H.B. Mineral technology. Nature, June 29, 1963, p. 1256.

Milner, H.B. New materials testing laboratory for the Cement and Concrete Association. Nature, Aug. 10, 1963, p. 546.

Milner, H.B. Progress in concrete research. Nature, Oct. 17, 1964, p. 233-4.

- Milner, H.B. Speeding the pace of technological development in the petroleum industry. Nature, Aug. 3, 1963, p. 436.
- Moravcsik, Michael J. Some practical suggestions for the improvement of science in developing countries. Minerva, Spring 1966, p. 381-90.
- Moravcsik, Michael J. Technical assistance and fundamental research in underdeveloped countries. Minerva, Winter 1964, p. 197-209.
- Mottley, C.M. and Newton, R.D. The selection of projects for industrial research. Operations Research, Nov.-Dec. 1959, p. 740-51.
- Mueller, James A. Transferring research results to operations. Harvard Business Review, Jan.-Feb. 1963, p. 49-66.
- Mukerjee, Dilip. Indian science: policy, organization and application. Minerva, Spring 1964, p. 360-69.
- Mukerji, B. Indian drug industry - past, present and future. Science and Culture, Jan. 1964, p. 20-25.
- Mukherjee, Bishwajit. Brain drain's latest. Indian Nation, 9th April 1967, p. 10.
- Mukhopadhyay, B.N. On misgivings about science and scientific research in India. Science and Culture, 1944-45, Vol. 10, p. 65-7.
- Murray, Allan S. The relationship between the administrator and the scientist in the renewable resource field. Canadian Public Administration, Sep. 1964, p. 360-70.
- Myers, J.H. and Carter, W.A. Research administration: the "associate" approach. Personnel, Sep.-Oct. 1958, p. 38-42.
- Nagpaul, A.N. Patent system, its abuses and prevention. Science and Culture, 1951-52, Vol. 17, p. 6-9.
- Natural rubber research. Nature, Sep. 26, 1964, p. 1332-4.

Negri, Numa Clive. Art contra science: an inquiry into the sociological aspects of the schism between science and the creative arts. Impact of Science on Society, Vol. 12, 1962, p. 61-80.

New Zealand. Interaction of science, government and industry in New Zealand. Nature, March 14, 1964, p. 1080.

Nicholls, Frank G. Scientific policy in Yugoslavia. (Letter on Rakovic's article). Minerva, Spring 1965, p. 405-7.

Nichols, Robert C. Career decisions of very able students. Science, June 12, 1964, p. 1315-19.

Oldham, C.H.G. Science in mainland China: a tourist's impressions. Science, Feb. 12, 1965, p. 706-14.

Orata, Pedro T. Teaching science as a way of life for better living. Impact of Science on Society, Vol. 13, No.4 (1963), p. 285-300.

Orlans, Harold. Developments in federal policy toward university research. Science, Feb. 10, 1967, p.665-8.

Orlans, Harold. Some current problems of government science policy. Science, July 2, 1965, p. 37-40.

Orth, Charles D., 3rd. The optimum climate for industrial research. Harvard Business Review, March-April 1959, p. 55-64.

Ossowska, Maria and Ossowski, S. The science of science. Minerva, Autumn 1964, p. 72-82.

Overhauling Britain's science machinery. (On the report of Committee of Enquiry into the Organization of Civil Science: Ch: Sir Burke Trend). Nature, Dec. 14, 1963, p. 1029-32.

Pai, Rama K. Patent system in India. Science and Culture, 1950-51, Vol. 16, p. 289-83.

Parry, Albert. Science and technology versus communism. Russian Review, July 1966, p. 227-41.

Parthasarathi, Ashok. The brain drain: symptom or disease? Economic Times, Feb. 15, 1967, p.5.



Paterson, Prof. T.T. Administration of research.  
Nature, May 11, 1963, p. 520-25.

Pavitt, K. Research, innovation and economic growth.  
Nature, Oct. 19, 1963, p. 206-10.

Peiz, Donald and Andrews, Frank M. Organizational  
atmosphere, motivation, and research contribution.  
American Behavioral Scientist, Dec. 1962, p. 43-7.

Pepinsky, Harold B and Weick, K.E. The simulation of  
productivity in organisations. Personnel Administration,  
Nov.-Dec. 1961, p. 18-24.

Peres, Leon. Organizing science as a means. Public  
Administration (Australia), Dec. 1965, p.287-97.

Peres, Leon. A note on the Trend report. (Enquiry  
into the Organization of civil science). Public  
Administration (Australia), Sep. 1964, p. 249-56.

Perkins, James A. Foreign aid and the brain drain.  
American Review, Jan. 1967, p. 49-57.

Peters, George A. Scientists and their employment  
preferences. Personnel Administration, Nov.-Dec.  
1957, p. 10-15.

Phillips, Almarin. Patents, potential competition, and  
technical progress. American Economic Review, May  
1966, p. 301-10.

Phelps, Ernest D. Help your engineers to get ahead.  
Harvard Business Review, Jan.-Feb. 1962, p. 125-32.

Phelps, Ernest D. and Gallagher, W. Integrated approach  
to technical staffing. Harvard Business Review, July-  
Aug. 1963, p. 122-9.

Piel, Gerard. Role of science in India's self-discovery.  
Nature, June 20, 1964, p. 1154-5.

Pierce, J.R. What are we doing to engineering?  
Science, July 23, 1965. p. 397-9.

Piganiol, P. Chemistry and society - I: an introduction.  
Impact of Science on Society, Vol. 16, No. 3 (1966),  
p. 145-51.

- Pillai, K.N.M. ATIRA spearheads textile research in India. Indian Express, Feb. 12, 1967, p.11.
- Piore, E.R. and Kreidler, R.N. Recent developments in the relationship of government and science. Annals of the American Academy of Political and Social Science, Jan. 1960, p. 10-18.
- Pirie, N.W. Science and development. Political Quarterly, Jan.-March 1967, p. 62-71.
- Polanyi, Michael. The republic of science: its political and economic theory. Minerva, Autumn 1962, p. 54-73.
- Policard, A. Essay on the psychology of team work in science. Impact of Science on Society, Vol.13, No.2 (1963), p. 71-91.
- Pollard, E.C. How to remain in the laboratory though head of a department. Science, Sep. 4, 1964, p. 1018-21.
- Ponkshe, G.R. Technology gap fever grips Europe. Indian Express, Feb. 24, 1967, p. 6.
- Pope, C.A. The Defence Research Board, Canada. Nature, Oct. 19, 1957, p. 782-3.
- Preston, Lee E. Patent rights under federal Rand D contracts. Harvard Business Review, Sep.-Oct. 1963, p. 6-7, 10, 12, 198-200, 202, 204, 206.
- Price, Derek J. de Solla. Ethics of scientific publication. Science, May 8, 1964, p.655-7.
- Price, Derek J. de Solla. Network of scientific papers. Science, July 30, 1965, p. 510-15.
- Price, Derek J. de Solla. The scientific foundations of science policy. Nature, April 17, 1965, p.233-8.
- Price, Don K. Escape to the endless frontier. Science, May 7, 1965, p. 743-9.
- Price, Don K. The established dissenters. Daedalus, Winter 1965, p. 84-116.

Price, Don K. Federal money and university research.  
Science, Jan. 21, 1966, p. 285-90.

Price, Don K. The scientific establishment. (On role  
of Scientists in the American system of government).  
Public Administration Practices and Perspectives,  
Sep. 1963, p. 4-9.

Price, Don K. and others. Current trends in science  
policy in the United States. Impact of Science on  
Society, Vol. 10, No. 3, p. 187-213.

Pros and cons of international research centres.  
Nature, Aug. 1, 1964, p. 454-5.

Puri, G.S. Science and development of natural  
resources in developing nations - I. Africa  
Quarterly, Oct-Dec. 1965, p. 192-202.

Puri, G.S. Science in development of natural  
resources - II. Africa Quarterly, Jan.-March  
1966, p. 339-48.

Puri, G.S. Science in development of natural  
resources - III. Africa Quarterly, April-June  
1966, p. 66-70.

Quinn, James Brian. How to evaluate research output.  
Harvard Business Review, March-April 1960, p.69-80.

Ruinn, James Brian. National planning of science and  
technology in France. Science, Nov. 19, 1965,  
p. 993-1003.

Quinn, James Brian. A strategy for corporate research.  
Management Review, Oct. 1961, p. 60-2.

Quinn, James Brian. Technological competition:  
Europe vs. U.S. Harvard Business Review, July-Aug.  
1966, p. 113-30.

Quinn, James Brian. Technological forecasting.  
Harvard Business Review, March-April 1967, p.89-106.

Quinn, James Brian and Cavanaugh, R.M. Fundamental  
research can be planned. Harvard Business Review,  
Jan.-Feb. 1964, p. 111-24.

Rabate, H. Chemistry and society - V: the development of varnish and paint industry during the past two decades. Impact of Science on Society, Vol.17, No.2, 1967, p. 167-81.

Rabe, W.F. Organizing for R & D: a lesson from the past. Personnel, Sept.-Oct. 1961, p. 61-8.

Rabinowitch, E. Science popularization in the atomic age. Impact of Science on Society, Vol. 17, No.2, 1967, p. 107-13.

Ragan, William M. and Clark, L.H. The wondrous world of the scientist in civil service. Civil Service Journal, April-June 1961, p. 16-21.

Rahman, A. The growth of scientific research. National Herald, Aug. 15, 1967, Supplement, p. 9.

Rahman, A. National basis for scientific research. Link, Aug. 15, 1963, p. 83-4.

Rahman, A. Planning of research in India and related problems. Scientific World, 1965, Vol. 9, No.2, p. 15-19.

Rahman, A. Scientific policy in Yugoslavia. (Letter). Minerva, Summer 1965, p. 524-6.

Rahman, A. Scientific research in India. Hitvada, 8th Feb. 1965, p. 4.

Rahman, A. Scientific research in India. Africa Quarterly, July-Sep. 1964, p. 102-10.

Rahman, A. Scientific research in Indian universities. Journal of University Education, Dec. 1965, p.65-71.

Rahman, A. and others. National laboratories in India. Nature, Aug. 8, 1964, p. 582-4.

Rahman, A. and others. Research planning - mechanical engineering need for priority. Lok Udyog, July 1967, p. 61-7.

Rahman, A. and others. Scientific societies in India. Nature, Dec. 26, 1964, p. 1250-52.

Rakovic, Branco. Scientific policy in Yugoslavia.  
Minerva, Winter 1965, p. 187-209.

Ram, Dr. Atma. Development of technology: key to  
India's progress. Indian Worker, Jan. 30, 1967,  
p. 19-20.

Ram, Dr. Atma. A few thoughts on applied science in  
India. Science and Culture, Nov. 1966, p. 518-25.

Ram, Dr. Atma. Thoughts on applied science in India.  
Hindu, Jan. 13, 1967, p. 6.

Rand, H.J. Revolution in the making: management and  
the new technology. Management Review, Nov. 1957,  
p. 11-17.

Rangarao, B.V. Science in China: training and utiliza-  
tion. Science and Culture, July 1966, p. 342-8.

Rasheeduzzafar, Dr. Role of science in affairs of state:  
bureaucracy must give way to professional talent.  
Statesman, 19th Feb. 1966, p. 6.

Raudsepp, Eugene and others. Directing creative research.  
Personnel Journal, April 1960, p. 421-3.

Ray, A.C. Scientific and technological research in the  
country and their problems. Science and Culture,  
Jan. 1967, p. 7-10.

Ray, P. Scientific and industrial research in modern  
India. Science and Culture, 1958, Vol. 24, p. 249-54.

Ray, Prof. P. Teaching of science. Science and Culture,  
Aug. 1964, p. 358-63.

Reagan, Michael D. Basic and applied research: a  
meaningful distinction? Science, March 17, 1967,  
p. 1383-6.

Recommendations of the Science Council for the  
development of scientific institutions in Western  
Germany. Minerva, Autumn 1962, p. 87-105.

Reid, Peter C. The research you shouldn't be doing:  
how the patent office can cut your R & D costs.  
Management Review, Feb. 1963, p. 4-13.

Report of the Scientific Commission of Pakistan.  
Minerva, Autumn 1962, p. 75-86.

Report of the third Review Committee of the Council  
of Scientific and Industrial Research. Minerva,  
Spring 1965, p.356-84.

Report to the President of the United States on  
government contracting for research and development.  
Minerva, Autumn 1962, p. 106-16.

Research expenditure in the pharmaceutical industry.  
Nature, April 11, 1964, p. 140.

Rickover, H.G. A humanistic technology. Nature,  
Nov. 20, 1965, p. 721-6.

Ritterbush, Philip C. Research training in governmental  
laboratories in the United States. Minerva, Winter  
1966, p. 186-201.

Robbins, Lord. Technology and economics and their  
relation to public policy. Nature, Nov. 16, 1963,  
p. 621-3.

Robertson, Andrew. Technological change, management  
and labour. Political Quarterly, April-June 1964,  
p. 171-81.

Robertson, R.N.M. Southampton meeting of the British  
Association for the Advancement of Science. Nature,  
July 18, 1964, p. 235-7.

Robinson, F.N.H. Government and science. (Lack of  
informed discussion on scientific policy). Oxford  
Magazine, Feb. 13, 1964, p. 188-9.

Roche, Marcel. Social aspects of science in a developing  
country. Impact of Science on Society, Vol. 16, No.1  
(1966), p. 51-60.

Role of research and development in productivity: the  
next five years. (On Eastbourne Conference, Nov. 26-28,  
1963). Nature, Feb. 1, 1964, p. 438-40.

Roscoe, R. Rheological research in Britian. Nature,  
Nov. 21, 1964, p. 733-4.



- Rose, Dr. J. Higher education in technology. Nature, April 13, 1963, p. 128-33.
- Rose, Dr. J. Higher education in technology-II. Nature, April 20, 1963, p. 233-8.
- Rosser, F.T. The administrator in a scientific institution. Canadian Public Administration, Dec. 1960, p. 322-5.
- Rosser, F.T. Control versus freedom for research organizations. Manager, Feb. 1962, p. 25-9.
- Rossi, Alice S. Women in science: why so few? Science, May 28, 1965, p. 1196-1202.
- Rossi, Peter H. Researchers, scholars and policy makers: the politics of large scale research. Daedalus, Fall, 1964, p. 1142-61.
- Rostow, Jerome M. Growing role of professional and scientific personnel. Management Record, Feb. 1962, p. 19-23.
- Rottenberg, Simon. The warrants for basic research. Minerva, Autumn 1966, p. 30-8.
- Rowe, A.P. From scientific idea to practical use. Minerva, Spring 1964, p. 303-19.
- Rudra, A. Investment allocation and technological choice: some practical considerations. Economic Weekly, Jan. 1959, Annual Number, p. 189-92.
- Rusk, Dean. Science and development in Chile. Nature, Dec. 5, 1964, p. 915.
- Russell, James W. Developing new products for profit. Management Review, Aug. 1958, p. 9-13.
- Ruthnaswamy, M. Science must come to rescue of defence. Indian Express, 7th Nov. 1965, p.4.
- Sadove, Robert. Economists, engineers, and development. Finance and Development, June 1967, p. 125-32,
- Saha, M.N. Association of Scientific Workers (India). Science and Culture, 1946-47, Vol.12, p. 323-6.

- Saha, M.N. Basic principles of organisation of scientific research. Science and Culture, 1943, Vol. 9, p. 173-8.
- Salam, Abdus. The isolation of the scientist in developing countries. Minerva, Summer 1966, p.461-5.
- Salomon, Jean-Jacques. International scientific policy. Minerva, Summer 1964, p. 411-34.
- Sanjivayya, D. National Design Institute: several research and service projects under way. Commerce, Sep. 3, 1966, p. 407.
- Sarjant, R.J. Advancement in coke technology. Nature, Aug. 8, 1964, p. 583-7.
- Sarjant, R.J. The British Coke Research Association. Nature, Aug. 24, 1963, p. 752-3.
- Sarjant, R.J. Civil research policy. (On the report of the Working Party of the Federation of British Industries). Nature, Oct.5, 1963, p. 24-5.
- Sarkar, Chanchal. The poverty of science. Hindustan Times, Feb. 24, 1967, p. 7.
- Sayles, Dr. D.C. Professional obsolescence and this rapidly expanding technological era. Nature, Sep.4,1965, p. 1028-30.
- Schein, Edgar H. and others. Career orientations and perceptions of rewarded activity in a research organization. Administrative Science Quarterly, March 1965, p. 333-49.
- Scherer, F.M. Firm size, market structure, opportunity, and the output of patented inventions. American Economic Review, Dec. 1965, p. 1097-1125.
- Schmookler, Jacob. Technological change and economic theory. American Economic Review, May 1965, p.333-41.
- Schmookler, Jacob and Brownlee, Oswald. Determinants of inventive activity. American Economic Review, May 1962, p. 165-76.
- Schofield, Maurice. Women in the history of science. Contemporary Review, April 1967, p. 204-6.

Schrage, Harry. The R & D entrepreneur: profile of success. Harvard Business Review, Nov.-Dec. 1965, p. 56-69.

Schultz, Duane P. R & D personnel: two basic types. Personnel, March-April 1964, p. 62-7.

Schwob, R. A little-known aspect of industrial research. OECD Observer, Feb. 1964, p. 36-8.

Science in Afro-Asia: a symposium on the collaboration and utilisation of science and technology. Seminar, 1966, No. 82, p. 9-43.

Science and politicians. (No political party has shown much idea of how the government should do the job of priming the scientific pump). Economist, Aug. 22, 1964, p. 701-3.

Science and public policy - science, technology, and public administration. Modern Government, July-Aug. 1964, p. 32-6.

Science and research: a symposium on scientific research as a profession in our country. Seminar, Aug. 1962, Complete Issue, 39p.

Science and the State in India. Nature, 1965, Vol. 206, p. 561.

Scientific and technical manpower in Britain. Nature, June 3, 1961, p. 843-4.

Scientific policy in the U.S.S.R. (Two Soviet documents). Minerva, Winter 1966, p. 215-30.

Scientific research and economic development in Spain. (Summary of papers presented at a Conference held under the auspices of the Social Studies Centre in Madrid). Minerva, Spring 1965, p. 385-91.

Seitz, Frederick. The National Academy of Sciences of the United States of America. Impact of Science on Society, Vol. 14, No. 2 (1964), p. 79-82.

Senior, D.A. The organization of scientific research. Survey, July 1964, p. 19-21, 24-35.

- Seshadri, T.R. Research in Indian universities. Indian Journal of Public Administration, Oct.-Dec. 1965, p. 698-701.
- Seshadri, T.R. Science and technology in India: a preview of 1975. Perspectives (Supplement to Indian Journal of Public Administration, Jan.-March 1966), p. 66-102.
- Shannon, James A. Science and federal programs: the continuing dialogue. Science, May 22, 1964, p.976-8.
- Shapley, Willis H. Special problems of military research and development. Annals of the American Academy of Political and Social Science, Jan. 1960, p. 68-75.
- Shcherban, A. Science serves the people: the development of scientific research in the Ukraine and its role in improving the welfare of the population. Impact of Science on Society, Vol.12, 1962, p. 112-34.
- Shenoy, Sudha R. India's brain-drain: causes and remedies. Tribune, Feb. 5, 1967, p.4.
- Shimshoni, Daniel. Israeli scientific policy. Minerva, Summer 1965, p. 441-56.
- Shipman, John R. International patent planning. Harvard Business Review, March-April 1967, p.56-72.
- Siegel, Irving H. The role of scientific research in stimulating economic progress. American Economic Review, May 1960, p. 340-5.
- Silver, Prof. R.S. The reality of engineering. Nature, April 13, 1963, p. 125-7.
- Singer, Aubrey E. Science broadcasting in Britain. Science, Nov. 11, 1966, p. 743-5.
- Singh, D.D. Planning for technical personnel - need and problems. AICC Economic Review, April 7, 1961, p. 23-4.
- Sinha, Purnima. Science and society in India. Economic and Political Weekly, April 22, 1967, p. 758-62.
- Sloman, H.A. The National Physical Laboratory, Teddington, Middlesex. Nature, Sep.11, 1965, p.1125-30.

Smith, Prof. R.A. The university and the research institute. Nature, May 9, 1964, p. 529-30.

Snow, C.P. Government, science and public policy. Science, Feb. 11, 1966, p. 650-3.

Solo, Robert. The capacity to assimilate an advanced technology. American Economic Review, May 1966, p. 91-7.

Solo, Robert A. Gearing military R & D to economic growth. Harvard Business Review, Nov.-Dec. 1962, p. 49-60.

Spaceth, Ernest. Government role in the technological revolution. Challenge, May 1963, p. 34-6.

Spencer, Daniel L. and Woroniak, Alexander. The feasibility of developing transfer of technology functions. Kyklos, Vol.20, No.2 (1967), p.431-57.

Stambler, Irwin. Finding and keeping scientists and engineers. Management Review, May 1967, p. 47-51.

State of Soviet science. Survey, July 1964, Complete Issue, 176p.

Steadman, R. Materials science and technology: a call for academic and industrial collaboration. Nature, Nov. 28, 1964, p. 831-3.

Storer, Norman W. Some sociological aspects of federal science policy. American Behavioral Scientist, Dec. 1962, p. 27-30.

Strathdee, Dr. R.B. Aberdeen meeting of the British Association for the Advancement of Science. Nature, July 6, 1963, p. 18-20.

Stratton, Dr. Julius A. Changing role of science and technology. Nature, Aug. 1, 1964, p. 455-7.

Subarsky, Zachariah. Thoughts on chemical research and training in East Africa. (Letter on Crawford's article). Minerva, Summer 1966, p. 561-2.

Suggestions of the Science Council on the pattern of new universities in Western Germany. Minerva, Winter 1963, p. 217-25.

- Sumner, W.L. Limitations of the research paper. Nature, April 18, 1964, p. 246-7.
- Sutherland, Sir Gordon. The brain drain. Political Quarterly, Jan.-March 1967, p. 51-61.
- Sutton, D.A. Gelatine and glue research. Nature, Nov. 2, 1963, p. 412.
- Sutton, Sir Graham. The Natural Environment Research Council. Nature, Aug. 7, 1965, p. 567-8.
- Tarkowski, Z.M.T. and Turnbull, A.V. Scientists versus administrators: an approach towards achieving greater understanding. Public Administration, Autumn 1959, p. 213-56.
- Taylor, Dr. Harry. Technical developments in the electricity supply industry. Nature, Aug. 3, 1963, p. 419-26.
- Templeman, Dr. G. Research and education in a new university. Nature, May 16, 1964, p. 636-9.
- Ter-Davtian, Leon. Education and utilisation of scientific and technical personnel. OECD Observer, Oct. 1966, p. 65-9.
- Thacker, M.S. The dedication decade. (On U.N. Conference on the Application of Science and Technology for the benefit of the Less Developed Areas held in Geneva in 1963). Impact of Science on Society, Vol.13, No. 3 (1963), p. 175-9.
- Thacker, M.S. India's national laboratories. Eastern Metals Review, 1958, Vol. 11, p. 25-8, 30.
- Thacker, M.S. Scientific research: progress in India since independence. India Quarterly, Oct.-Dec. 1957, p. 287-307.
- Thompson, F.C. Research expenditure and industry. Nature, Aug. 1, 1964, p. 466-7.
- Tinbergen, J. Possibilities for application of operational research to problems of development. Management Science, Jan. 1964, p. 193-7.



- Thring, M.W. The efficient development of new ideas in industry. Guardian, Nov. 26, 1963, p. 9.
- Todd, Alexander Robertus. Scientific policy in Britain. Science, July 9, 1965, p. 156-62.
- Topehyev, Alexander V. Our scientific cadres and the training of new talent. Soviet Review, May 1962, p. 3-21.
- Torpey, William G. Conserving our technological manpower. Personnel, March-April 1960, p. 61-7.
- Toulmin, Stephen. The complexity of scientific choice. (Letter). Minerva, Summer 1966, p. 564-5.
- Toulmin, Stephen. The complexity of scientific choice: a stocktaking. Minerva, Spring 1964, p. 343-59.
- Toulmin, Stephen. The complexity of scientific choice II : culture, overheads or tertiary industry? Minerva, Winter 1966, p. 155-69.
- Towards a synthesis in the organization of scientific research. (A symposium held at Unesco from 13 to 15 Dec. 1965). Impact of Science on Society, Vol. 16, No. 1 (1966), p. 5-40.
- Trehin, Robert. Links with industry at the University of Grenoble. Impact of Science on Society, Vol. 15, No.1 (1965), p. 27-39.
- Trombe, Felix. Some aspects of the utilization of natural radiation, especially in the developing countries. Impact of Science on Society, Vol. 15, No. 4 (1965), p. 247-60.
- Uchida, Genko. Chinese technology: impressive despite imbalances. Commerce, July 22, 1967, p. 188-91.
- Uchida, Genko. Technology in China. American Review, April 1967, p. 7-21.
- Unesco. Natural Science Department. The role of science in the development of natural resources. Impact of Science on Society, Vol. 12, 1962, p.213-29.

- U.S.A. National Academy of Sciences. Basic research and national goals: a report to the Committee on Science and Astronautics. Minerva, Summer 1965, p. 499-523.
- Usher, Dan. The welfare economics of invention. *Economica*, Aug. 1964, p. 279-87.
- Venables, Sir Peter. The College of Advanced Technology, Birmingham. *Nature*, May 2, 1964, p. 431-2.
- Venables, P.F.R. Supply of scientists and technologists for industry. (Report of a Conference on "Trained men and women" organised by the British Association and held at the University of Leeds on 5th July 1957). *Nature*, Aug. 1957, p. 305-7.
- Venkatasubbiah, H. Why scientific research has done poorly. *Hindu*, 26th July 1964, p. 6.
- Vig, N.J. and Walkland, S.A. Science policy, science administration and Parliamentary reform. *Parliamentary Affairs*, Summer 1966, p. 281-94.
- Viswanath, Dr. Research development. *Integrated Management*, July 1967, p. 56-8.
- Volfkovitch, S.I. Chemical science and technology in the USSR. *Impact of Science on Society*, Vol.12, No.1 (1962), p. 23-38.
- Walkland, S.A. Science and parliament: the origins and influence of the parliamentary and Scientific committee. *Parliamentary Affairs*, Summer 1964, p. 308-20, Autumn 1964, p. 389-402.
- Wark, Dr. I.W. Scientific research as a career. *Nature*, Feb. 23, 1963, p. 737-40.
- Warner, F.E. Education in science and technology. *Political Quarterly*, Jan.-March 1967, p. 41-50.
- Waterman, Alan T. The changing environment of science. *Science*, Jan. 1, 1965, p. 13-18.
- Waterman, Alan T. Federal support of science. *Science*, Sep. 16, 1966, p. 1359-61.

- Waterman, Alan T. Integration of science and society. American Behavioral Scientist, Dec. 1962, p. 3-6.
- Waterman, Dr. Alan T. Money for research and research for money. Nature, Aug. 8, 1964, p. 563-5.
- Waterman, Alan T. The role of the National Science Foundation. Annals of the American Academy of Political and Social Science, Jan. 1960, p. 123-31.
- Weaver, John C. What federal funds mean to the universities today. Annals of the American Academy of Political and Social Science, Jan. 1960, p. 114-22.
- Weaver, Warren. Why is it so important that science be understood? (On problems of interpretation). Impact of Science on Society, Vol. 16, No. 1 (1966), p. 41-50.
- Weinberg, Alvin M. The complexity of scientific choice. (Letter). Minerva, Spring 1966, p. 400-402.
- Weinberg, Alvin M. Criteria for scientific choice. - II: the two cultures. (How much financial allocation to science?). Minerva, Autumn 1964, p. 3-14.
- Weinberg, Alvin M. Scientific choice, basic science and applied missions. Minerva, Summer 1965, p. 515-23.
- Weinberg, Alvin M. Scientific choice and biomedical science. Minerva, Autumn 1965, p. 3-14.
- Weintroub, S. Atomic energy in Australia. Nature, Aug. 14, 1965, p. 694-5.
- Weintroub, S. The Australian Defence Standards Laboratories. Nature, Sep. 7, 1963, p. 965.
- Weintroub, S. United States Bureau of Standards. Nature, Dec. 12, 1964, p. 1039-40.
- Welles, John G. and Waterman, Robert H., Jr. Space technology: pay-off from spin-off. Harvard Business Review, July-Aug. 1964, p. 106-18.
- What's wrong with our research? Hindustan Times, Aug. 27, 1967, p. 8.

- White, Sir Frederick. Organization of civil science in Great Britain. Nature, May 9, 1964, p. 530-2.
- Whitney, Vincent Heath. Science, government, and society. Annals of the American Academy of Political and Social Science, Jan. 1960, p. 50-58.
- Williams, B.R. Research and economic growth - what should we expect? Minerva, Autumn 1964, p. 57-71.
- Williams, Frank E. Creativity in engineering education. Personnel Administration, Sep.-Oct. 1966, p. 22-7.
- Wilson, Harold. Science, industry and government. Nature, April 17, 1965, p. 230-32.
- Wilson, Dr. Henry W. The Scottish Research Reactor Centre. Nature, Jan. 2, 1965, p. 10-14.
- Wilson, James A. The emigration of British scientists. Minerva, Autumn 1966, p. 20-9.
- Woodward, Dr. F.N. Industrial research: how should it be carried out? OECD Observer, Sep. 1964, p. 40-2.
- Wrong formula for science: a government that closes its Ministry for Science cannot expect to convince young scientists that their future lies in Britain. Economist, Feb. 15, 1964, p. 581-2.
- Yarmolinsky, Adam. Science policy and national defense. American Economic Review, May 1966, p. 489-93.
- Zaheer, S. Husain. Scientific research - its part in defence and development. Yojana, Republic Day Number, 1963, p. 11-12.
- Zhmudsky, A.Z. The scientist's responsibility towards society. Impact of Science on Society, Vol. 13, No. 4, (1963), 301-10.
- Zvorykin, Anatoly. Organisation of scientific work in the U.S.S.R. Impact of Science on Society, Vol. 15, No. 2 (1965), p. 67-118.
- Zvorykin, A. Science as a direct productive force. Impact of Science on Society, Vol. 13, No. 1 (1963), p. 49-60.
- Zuckerman, Sir Solly. Scientists and government. Spectator, June 26, 1964, p. 345-6.

## Agricultural Research

- Agarwal, Santosh Kumar. Intensive cultivation programmes in Uttar Pradesh - a retrospect. Indian Journal of Agricultural Economics, Oct.-Dec. 1958, p. 135-40.
- Agrawal, B.L. Technique of evaluating rural development programmes. Indian Journal of Agricultural Economics, Jan.-March 1960, p. 102-10.
- Agrawal, G.D. Output-input relations in Indian agriculture. Indian Journal of Agricultural Economics, Jan.-March 1958, p. 26-31.
- Aziz, Ungku A. The interdependent development of agriculture and other industries. Philippine Journal of Public Administration, July 1959, p. 303-15.
- Bansil, P.C. Evaluation of rural development programmes. Indian Journal of Agricultural Economics, Jan.-March 1960, p. 110-16.
- Bansil, P.C. Future feed, seed and wastage rates. Indian Journal of Agricultural Economics, July-Sep. 1959, p. 59-66.
- Bergmann, Theodor. Problems of mechanization in Indian agriculture. Indian Journal of Agricultural Economics, Oct.-Dec. 1963, p. 20-31.
- Bhatia, K.M. Agriculture and technical services. Eastern Economist, Dec. 16, 1966, p. 1107-8.
- Black, John D. Supplementary to the Ford Foundation Team's report: "India's food crisis and steps to meet it". Indian Journal of Agricultural Economics, July-Sep. 1959, p. 1-6.
- Bokil, S.D. Index of cost of cultivation. Indian Journal of Agricultural Economics, Jan.-March 1959, p. 39-48.
- Brown, Lester R. The stork outruns the plow. Development Digest, July 1967, p. 31-9.

- Caborn, J.M. Research on shelter in agriculture and horticulture. *Nature*, Feb. 6, 1965, p. 551-2.
- Carr, D.W. The legislative-administrative structure in Canada: its significance for agricultural resource development. *Canadian Public Administration*, June 1962, p. 156-71.
- Chatterjee, P. Productivity in Indian agriculture. *AICC Economic Review*, Feb. 10, 1966, p. 157-62.
- Chawdhari, T.P.S. and others. Impact of intensive cultivation scheme programme of I.A.R.I. in Delhi villages. *Indian Journal of Agricultural Economics*, July-Sep. 1965, p. 76-83.
- Chawdhari, T.P.S. and others. Optimum combination of competitive crops in the intensive cultivation scheme area - Delhi. *Indian Journal of Agricultural Economics*, Jan.-March 1963, p. 143-53.
- Choudhary, Kalyan Mal and Maharaja, Madhukar. Acceptance of improved practices and their diffusion and wheat-growers in the Pali district of Rajasthan. *Indian Journal of Agricultural Economics*, Jan.-March 1966, p. 161-5.
- Chowdhury, B.K. The economics of mixed farming in the eastern zone of India. *Indian Journal of Agricultural Economics*, Jan.-March 1961, p. 174-9.
- Chowdhury, S.L. Intensive development approach to agricultural development - intensifying cereal production for better economic returns. *Indian Journal of Agricultural Economics*, Oct.-Dec. 1966, p. 105-9.
- Clerk, J.H. Farm management research. *Indian Journal of Agricultural Economics*, Oct.-Dec. 1957, p. 94-8.
- Choksi, A.N. Techniques of field surveys in agricultural economics. *Indian Journal of Agricultural Economics*, April-June 1956, p. 239-46.
- Clayton, E.C. Research methodology and peasant agriculture. *Indian Journal of Agricultural Economics*, July-Sep. 1957, p. 64-6.
- Dantwala, M.L. Incentives and disincentives in Indian agriculture. *Indian Journal of Agricultural Economics*, April-June 1967, p. 1-25.



Dar, Usha. Benefit-cost evaluation of technological change in agriculture. Indian Journal of Agricultural Economics, Jan.-March 1966, p. 131-6.

Desai, D.K. Budgeting and programming in farm management. Indian Journal of Agricultural Economics, Jan.-March 1962, p. 196-205.

Desai, D.K. Increasing income and production on Indian farms : possibilities with existing resource supplies on individual farms; Indian Journal of Agricultural Economics, July-Sep. 1961, p. 1-16.

Desai, D.K. and Doshi, S.P. Economics of fertilizer use. Indian Journal of Agricultural Economics, April-June 1962, p. 65-73.

Desai, D.K. and Sharma, B.M. Technological change and rate of diffusion. Indian Journal of Agricultural Economics, Jan.-March 1966, p. 141-54.

Desai, W.K. Problems of mixed farming - study of Charotar farm. Indian Journal of Agricultural Economics, July-Sep. 1961, p. 46-50.

Dhondyal, S.P. Economics of mixed farming in different regions. Indian Journal of Agricultural Economics, Jan.-March 1961, p. 131-8.

Dhondyal, S.P. Farm planning approach to agricultural production. Indian Journal of Agricultural Economics, Oct.-Dec. 1960, p. 42-5.

Dhondyal, S.P. Input-output relations in Indian agriculture. Indian Journal of Agricultural Economics, Jan.-March 1958, p. 31-5.

Dhondyal, S.P. Programming and budgeting in farm management. Indian Journal of Agricultural Economics, Jan.-March 1962, p. 256-61.

Dixey, R.N. Some problems of increasing agricultural production. Indian Journal of Agricultural Economics, Jan.-March 1956, p. 26-30.

Driver, P.N. and Desai, D.K. Some input-output relationships in Indian agriculture. Indian Journal of Agricultural Economics, Jan.-March 1958, p.50-57.

El Tonbary, A.A. Comparative standards in farm management appraisal. Indian Journal of Agricultural Economics, July-Sept. 1957, p. 12-19.

Ensminger, Douglas. The intensive agricultural district program in India's agricultural development. Journal of the National Academy of Administration, April 1962, p. 27-36.

Falcon, Walter P. Farmer response to price in a subsistence economy: the case of West Pakistan. American Economic Review, May 1964, p. 580-91.

Farnsworth, Helen C. The problem multiplying effects of special wheat programs. American Economic Review, May 1961, p. 353-70.

Fischnich, O.E. The possibilities of expanding food production by 1980. Development Digest, July 1967, p. 40-45.

Foster, John H. The economics of the moldboard plow and three-tine cultivator in two districts in Uttar Pradesh. Indian Journal of Agricultural Economics, April-June 1966, p. 47-66.

Garg, J.S. Economics of mixed farming in India. Indian Journal of Agricultural Economics, Jan.-March 1961, p. 171-4.

Ghandy, Jehangir J. New hope for agriculture in Asia. American Review, July 1967, p.65-79.

Ghosh, Sukesh K. Farm planning by budgeting and linear programming. Indian Journal of Agricultural Economics, Jan.-March 1962, p. 211-25.

Goldberg, Ray A. Agribusiness for developing countries. Harvard Business Review, Sep.-Oct. 1966, p. 81-93.

Gopalakrishnan, M.D. and Rao, T. Ramakrishna. Regional variations in agricultural productivity in Andhra Pradesh. Indian Journal of Agricultural Economics, Jan.-March 1964, p. 227-36.

- Gupta, Amiya K. Inter-state differences in cropping pattern and productivity. Indian Journal of Agricultural Economics, Jan.-March 1963, p.24-31.
- Gupta, Laxmi Narain. Intensive agricultural district programme: Pali X-rayed. AICC Economic Review, April 1, 1966, p. 17-22.
- Gupta, Ranjit. Techniques of evaluation of programmes of rural development. Indian Journal of Agricultural Economics, Jan.-March 1960, p. 155-61.
- Gupta, S.B. Lal and Singh, S.B. Impact of developmental activities on technological changes in Varanasi district. Indian Journal of Agricultural Economics, Jan.-March 1966, p. 154-60.
- Gupta, Sulekh Chandra. Agriculture development policies in France. Economic Weekly, May 2, 1964, p. 763-7.
- Gupta, S.C. Some problems of input-output analysis in Indian agriculture and their application. Indian Journal of Agricultural Economics, Jan.-March 1958, p. 42-6.
- Gupta, T.R. and Singh, Gurbachan. Some economic implications of the intensive agricultural district programme. Indian Journal of Agricultural Economics, Oct.-Dec. 1966, p. 153-9.
- Halperin, Haim. Agrindus : integration of agriculture and industries. Impact of Science on Society, Vol.17, No. 1 (1967), p. 49-74.
- Heady, Earl O. Efficiency of the farm firm. American Economic Review, May 1964, p. 37-106.
- Hopper, W. David. The economics of fertilizer use - a case study in production economics. Indian Journal of Agricultural Economics, Oct.-Dec. 1962, p.12-22.
- Hutchinson, J.B. Rothamsted Experimental Station: report for 1962. Nature, Sep. 14, 1963, p. 1046.
- Hutchinson, Sir Joseph and Bunting, A.H. A strategy for the war on hunger. Nature, Aug. 5, 1961, p.539-41.
- Jain, K.P. Technique of evaluation of rural development programmes. Indian Journal of Agricultural Economics, Jan.-March 1960, p. 116-23.

- Jakhade, V.M. Eleventh International Conference of Agricultural Economists: a review. (Held in Mexico from 20th to 30th Aug. 1961). Indian Journal of Agricultural Economics, Jan.-March 1962, p.278-330.
- Jha, Satish Chandra. Innovation and entrepreneurial decision in Indian paddy enterprise. Indian Journal of Agricultural Economics, Oct.-Dec. 1960, p.33-7.
- Johnson, D. Gale. The environment for technological change in Soviet agriculture. American Economic Review, May 1966, p. 145-53.
- Kahlon, A.S. Input-output relationship in agriculture. Indian Journal of Agricultural Economics, Jan.-March 1958, p. 46-50.
- Kahlon, A.S. Marginal analysis in farm research. Indian Journal of Agricultural Economics, April-June 1958, p. 59-62.
- Kahlon, A.S. and Gill, D.S. A case for mechanising selected agricultural operations in Punjab. Agricultural Situation in India, March 1967, p. 1085-8.
- Kahlon, A.S. and Grewal, Sukhdev Singh. A study of subsidised pest control measures. Indian Journal of Agricultural Economics, July-Sep. 1965, p. 54-62.
- Kahlon, A.S. and Johl, S.S. Application of budgeting and linear programming in farm management analysis. Indian Journal of Agricultural Economics, Jan.-March 1962, p. 235-41.
- Kahlon, A.S. and Khan, A.R. Economics of "Japanese method " of paddy cultivation. Indian Journal of Agricultural Economics, Oct.-Dec. 1957, p.59-62.
- Kanel, Don. Size of farm and economic development. Indian Journal of Agricultural Economics, April-June 1967, p. 26-44.
- Kapur, Tilak Raj and Kahlon, A.S. Optimum cropping patterns for Upper-Dhaia region of I.A.D.P. district Ludhiana (Punjab). Indian Journal of Agricultural Economics, April-June 1967, p. 45-69.

- Karve, D.G. An approach to agrarian reform. Indian Journal of Agricultural Economics, July-Dec. 1964, p. 1-11.
- Karve, D.G. Indian agricultural economics. Indian Journal of Agricultural Economics, Dec. 1959, p. 44-6.
- Khan, N.A. Agriculture and resource mobilisation in India. AICC Economic Review, May 1, 1960, p. 11-17.
- Khusro, A.M. Returns to scale in Indian agriculture. Indian Journal of Agricultural Economics, July-Dec. 1964, p. 51-80.
- Krishna, Jai and Gupta, S.B.L. The management input in farming. Indian Journal of Agricultural Economics, July-Sept. 1962, p. 61-8.
- Krishnarao, B. Efficiency in farming - an analytical view. Indian Journal of Agricultural Economics, April-June 1960, p. 19-26.
- Kristensen, Thorkil. New policies for agriculture. OECD Observer, April 1964, p. 3-5.
- Kuo, Leslie T.C. Industrial aid to agriculture in Communist China. International Development Review, June 1967, p. 6-10; 29.
- Kuo-chun, Chao. China's agrarian development. Economic Weekly, June 20, 1959, p. 811-16.
- Kurian, A.P. Technique of evaluating rural development programme. Indian Journal of Agricultural Economics, Jan.-March 1960, p. 123-30.
- Lakshman, T.K. The Indian farming and the need for its reorganisation. AICC Economic Review, Nov. 10, 1964, p. 27-31.
- Lohkar, Ram Narain. Food problem, food production and food policy in India. Indian Journal of Economics, Oct. 1966, p. 179-93.
- Mahapatra, D. Farm productivity and economic development. Indian Management, Jan.-Feb. 1967, p. 36-8.

Maitra, T. and Roy, Mrs. Bina. Regional variations in yield per acre of major crops in India (1950-51 to 1959-60). Indian Journal of Agricultural Economics, Jan.-March 1964, p. 168-76.

Malya, Meenakshi. Linear programming and farm planning. Indian Journal of Agricultural Economics, Jan.-March 1962, p. 206-11.

Mandal, G.C. Technique of evaluating rural development programmes. Indian Journal of Agricultural Economics, Jan.-March 1960, p. 131-8.

Manrai, M.L. Intensive approach to agricultural development. Indian Journal of Agricultural Economics Oct.-Dec. 1966, p. 110-16.

Mazumdar, Dipak. Size of farm and productivity: a problem of Indian peasant agriculture. Economica, May 1965, p. 161-73.

Mehra, Shakuntala. Surplus labour in Indian agriculture. Indian Economic Review, April 1966, p. 111-29.

Mehta, Asoka. The uneven progress of Indian agriculture administrative and organisational failures. Capital, Dec. 22, 1960, Annual Number, p. 17-18.

Mellor, John W. Increasing agricultural production in early stages of economic development: relationships, problems and prospects. Indian Journal of Agricultural Economics, April-June 1962, p. 29-46.

Mellor, John W. Science and technology in agricultural development. Science Reporter, Jan.-Feb. 1967, p. 37-43.

Millikan, Prof. Max. Modernising agriculture - shortage of managerial talent, key problem. Commerce, Oct. 29, 1966, p. 756.

Misra, Bidyadhar. Uncertainties and adoption of new farming practices in India. Indian Journal of Agricultural Economics, Jan.- March 1964, p. 73-5.

Muthiah, C. Economics of mixed farming. Indian Journal of Agricultural Economics, Jan.-March 1961, p.163-71.



Naidu, I.J. High-yielding seeds evolved. Hindu, Aug. 15, 1967, Supplement p. 10.

Naik, K.C. Mysore can be self-sufficient in food with available resources. Deccan Herald, Aug. 15, 1967, p. 14.

Narayana, Dr. D.L. Agricultural take-off in under-developed countries. Commerce, Annual Number 1965, p. 49-52.

Nath, V. The new village - I. Economic Weekly, April 17; 1965, p. 679-84.

Nath, V. The new village - II: technological change in agriculture. Economic Weekly, April 24, 1965, p. 713-19, 721-22.

Nath, V. The new village - III : impact of change. Economic Weekly, May 1, 1965, p. 745-50.

Nath, V. The new village - IV : factors behind technological change. (Concluded). Economic Weekly, May 8, 1965, p. 777-80.

Ogura, Takekazu. Recent agrarian problems in Japan. Developing Economies, June 1966, p. 151-70.

Okabe, Hiroji. Agrarian reform in Mexico: an interpretation. Developing Economies, June 1966, p. 171-94.

Pande, J.K. Technique of evaluating rural development programmes. Indian Journal of Agricultural Economics, Jan.-March 1960, p. 138-43.

Pandit, A.D. Reorienting agricultural science to the needs of Indian farmers. Commerce, July 11, 1964, p. 66-7.

Panse, V.G. Problems and techniques in the study of the cost of production in agriculture. Indian Journal of Agricultural Economics, July-Sep. 1958, p. 1-12.

Panse, V.G. Recent trends in the yield of rice and wheat in India. Indian Journal of Agricultural Economics, Jan.-March 1959, p. 11-38.

- Panase, Dr. V.G. Statistical method in agro-economic research. Indian Journal of Agricultural Economics, March, 1955, p. 55-8.
- Panase, V.G. and Singh, D. Promotion and assessment of technological change in Indian agriculture. Indian Journal of Agricultural Economics, Jan.-March 1966, p. 121-31.
- Paranjpe, V.M. Input-output relations in agriculture. Indian Journal of Agricultural Economics, Jan.-March 1958, p. 16-25.
- Parikh, Ashok. Rate of return on chemical fertilizers in the package programme districts. Indian Journal of Agricultural Economics, April-June 1966, p.31-46.
- Patel, R.K. Organisation of agricultural research in the United States. Agricultural Situation in India, March 1966, p. 1031-2.
- Patil, N.P. Effects of adoption of improved practices on the yield of ragi. Indian Journal of Agricultural Economics, April-June 1965, p. 65-8.
- Patil, S.K. From subsistence farming to commercialised agriculture. Industrial India, Annual Number, 1961, p. 73-6.
- Patil, T.Y. Some problems and issues involved in evaluation work. Indian Journal of Agricultural Economics, Jan.-March 1960, p. 161-6.
- Patnaik, Khetra Mohan. Agriculture and economic development in India. Modern Review, June 1959, p. 441-51.
- Pelz, Donald C. Co-ordination and communication in agricultural development. Indian Journal of Public Administration, Jan.-March 1966, p. 18-27.
- Pereira, H.C. Agricultural research in central Africa. Nature, June 6, 1964, p. 944-5.
- Perkins, Dwight H. Too much ideology, too little economics. (On Chinese agriculture). Challenge, April 1964, p. 28-31.

- Pisani, E. The adaptation of agriculture to the rhythm of industrial life. OECD Observer, Oct. 1963, p.27-31.
- Radhakrishna, D. A study of regional productivities of agricultural inputs. Indian Journal of Agricultural Economics, Jan.-March 1964, p. 237-42.
- Raghavan, S.S.B. and Rao, M.F.N. Economic aspects of land development in new river valley projects - the Tungabhadra project. Indian Journal of Agricultural Economics, March 1955, p. 194-205.
- Raheja, P.C. In agriculture. Seminar, June 1966, p. 20-23.
- Rajagoplan, V. and others. Economics of mixed farming in Coimbatore region. Indian Journal of Agricultural Economics, Jan.-March 1961, p. 145-54.
- Ramesh, D. Return to investment, optimal level of operational cost, direction of additional costs and total costs of production - analyses based on composite demonstration data relating to IADF districts. Indian Journal of Agricultural Economics, Oct.-Dec. 1966, p. 117-22.
- Randhawa, Narindar S. Farm planning project under intensive agricultural district programme in India. Indian Journal of Agricultural Economics, July-Sep. 1965, p. 1-12.
- Rao, C.H. Hanumantha. Intensive agricultural district programme: an appraisal. Economic Weekly, Nov.28, 1964, p. 1887-91.
- Rao, C.H. Hanumantha. What is wrong with Indian agriculture? Conspectus, Vol. 2, No. 2 (1966), p. 11-19.
- Rao, R.V.S. and Hiranandani, G.J. The technique of field survey in agricultural economics. Indian Journal of Agricultural Economics, April-June 1956, p. 246-54.
- Rao, T. Ramakrishna. Rate of growth of power irrigation in Madras agriculture. Indian Journal of Agricultural Economics, Jan.-March 1966, p.209-17.

- Rathore, B.S. and Patel, R.K. Returns to investment in agricultural research for technological change. Indian Journal of Agricultural Economics, Jan.-March 1966, p. 137-40.
- Reddy, G.V.N. Economics of land development in new river valley projects. Indian Journal of Agricultural Economics, March 1955, p. 215-24.
- Reid, Ian G. Work study in agriculture. Indian Journal of Agricultural Economics, April-June 1958, p. 68-70.
- Reid, P.A. Investing in agriculture. Finance and Development, Sep. 1966, p. 202-11.
- Richard, H. Chemistry and society - II: the social consequences of the development of agricultural chemistry. Impact of Science on Society, Vol. 16, No. 3 (1966), p. 153-71.
- Robertson, C.A. and Sharma, R.K. Lessons from the package programme with implications for the new agricultural strategy. Indian Journal of Agricultural Economics, Oct.-Dec. 1966, p. 123-35.
- Robertson, C.A. and others. The package programme: an appraisal. Economic and Political Weekly, Aug. 27, 1966, p. 79-85, Sep. 3, 1966, p. 124-6.
- Roth, Yair and Brenner, Y.S. Mechanisation of agriculture in West Africa. Africa Quarterly, July-Sep. 1966, p. 147-54.
- Saikia, P.D. Intensive area development approach - a village level plan for agricultural development. Indian Journal of Agricultural Economics, Oct.-Dec. 1966, p. 148-53.
- Sancheti, D.C. Productivity of principal cereals in dry area of Rajasthan. Indian Journal of Agricultural Economics, Jan.-March 1964, p. 202-7.
- Sapre, S.G. and Deshpande, V.D. Inter-district variations in agricultural efficiency in Maharashtra state. Indian Journal of Agricultural Economics, Jan.-March 1964, p. 242-52.

- Sarkar, Goutam K. Some basic economic aspects of technological progress in the tea plantation industry. Indian Journal of Agricultural Economics, Jan.-March 1966, p. 166-71.
- Sarkar, K.K. and Frahladachar, M. Mechanization as a technological change. Indian Journal of Agricultural Economics, Jan.-March 1966, p. 171-82.
- Savale, R.S. Intensive development approach to agricultural development: role of irrigation and cropping pattern in agricultural development. Indian Journal of Agricultural Economics, Oct.-Dec. 1966, p.96-104.
- Savale, R.S. Technological change in agriculture: study of sources of its diffusion, efficacy of these sources and the economic factors affecting the adoption of improved practices. Indian Journal of Agricultural Economics, Jan.-March 1966, p.199-208.
- Sawant, P.K. Modernisation of agriculture in Maharashtra. Hitvada, Aug. 15, 1967, Supplement p. 1.
- Schickele, Rainer. Farm management research for planning agricultural development. Indian Journal of Agricultural Economics, April-June 1966, p.1-15.
- Schnittker, John A. Wheat and farm policy. American Economic Review, May 1961, p. 341-52.
- Schultz, Theodore W. A new era for agriculture in economic growth. Indian Journal of Agricultural Economics, Dec. 1959, p. 37-43.
- Schultz, Theodore W. Urban developments and policy implications for agriculture. Economic Development and Cultural Change, Oct. 1966, p. 1-9.
- Sen, Bandhudas. Farm productivity and soil fertility in Indian agriculture. Indian Journal of Agricultural Economics, April-June 1967, p. 70-78.
- Sen, S.R. Agricultural economics research and economic planning in India. Indian Journal of Agricultural Economics, Oct.-Dec. 1959, p. 66-72.
- Sen, Dr. Sudhir. Economic aspects of land development in river valley projects. Indian Journal of Agricultural Economics, March 1955, p. 187-94.



- Shah, Dr. C.H. and Sundaram, T.R. Agricultural economics research attempts and achievements : a critical review of research activities of the Indian Society of Agricultural Economics, 1942-62. Indian Journal of Agricultural Economics, July-Sep. 1963, p. 38-50.
- Shah, Manubhai. Problems of Indian agriculture. Indian Nation, Aug. 15, 1967, Supplement, p. 1.
- Shastri, C.P. Budgeting and programming in farm management. Indian Journal of Agricultural Economics, Jan.-March 1962, p. 226-35.
- Shastri, C.P. Economics of mixed farming in Bihar. Indian Journal of Agricultural Economics, Jan.-March 1961, p. 138-44.
- Shastri, C.P. Input-output relations in Indian agriculture. Indian Journal of Agricultural Economics, Jan.-March 1958, p. 35-42.
- Shastri, C.P. Input/output relations in Indian farm economy. Indian Journal of Agricultural Economics, Oct.-Dec. 1960, p. 47-55.
- Shastri, C.P. Technique of evaluating rural development programmes. Indian Journal of Agricultural Economics, Jan.- March 1960, p. 143-50.
- Shaw, Byron T. Research planning and control in the United States Department of Agriculture: the experience of an old and well-established research agency. Annal of the American Academy of Political and Social Science, Jan. 1960, p. 95-102.
- Sheppard, D. Bringing science to the farmer. Nature, June 20, 1964, p. 1167-8.
- Shetty, K.T. Implications of technological advance in commercial crops - a case study of plantation crops in India. Indian Journal of Agricultural Economics, July-Sep. 1963, p. 56-63.
- Shetty, N.S. Inter-farm rates of technological diffusion in Indian agriculture. Indian Journal of Agricultural Economics, Jan.-March 1966, p.189-98.
- Shinde, Rao Saheb P. Awakening among farmers - steady shift to scientific agriculture. National Herald, Aug. 15, 1967, Supplement, p.5.



Shivamaggi, H.B. Some thoughts on techniques of rural surveys. Indian Journal of Agricultural Economics, April-June 1956, p. 231-8.

Shukla, B.D. A note on investment patterns on Jaunpur farms. Indian Journal of Economics, Oct. 1966, p. 217-25.

Shukla, Tara. The rate of technological change in Indian agriculture during the period 1920-21 to 1960-61. Indian Journal of Agricultural Economics, Jan.-March 1966, p. 182-8.

Simantov, Albert. Agriculture in a growing economy: the experience of the OECD countries. OECD Observer, Feb. 1964, p. 29-35.

Singh, D. and Bokil, S.D. Budgeting and programming at farm and national level. Indian Journal of Agricultural Economics, Jan.-March 1962, p. 262-5.

Singh, H.S. Economics of mixed farming in Western U.P. and Punjab region. Indian Journal of Agricultural Economics, Jan.-March 1961, p. 122-31.

Singh, H.S. Management as a factor in farm budgeting and programming. Indian Journal of Agricultural Economics, Jan.-March 1962, p. 241-9.

Singh, H.S. Optimum level of fertilization. Indian Journal of Agricultural Economics, April-June 1960, p. 66-9.

Singh, H.S. Technique of evaluating rural development programmes. Indian Journal of Agricultural Economics, Jan.-March 1960, p. 150-55.

Singh, Harpal. Farm planning - a technique of better farm management. Indian Journal of Agricultural Economics, Jan.-March 1962, p. 249-56.

Singh, Harpal. Intensive agricultural approach to agricultural development. Indian Journal of Agricultural Economics, Oct.-Dec. 1966, p. 141-8.

Singh, Hartirath. Agricultural crisis in China. AICC Economic Review, Jan. 1963, p. 133-6.

Stewart, H.L. Farm management research needs in American agriculture. Indian Journal of Agricultural Economics, Oct.-Dec. 1959, p. 73-9.

Suryanarayana, K.S. Resource returns in Telengana farms: a production function study. Indian Journal of Agricultural Economics, April-June 1958, p. 20-26.

Talib, B.D. and Singh, Harpal. Patern of mixed farming in Punjab - case studies of some selected villages in diverse regions. Indian Journal of Agricultural Economics, Jan.-March 1961, p. 155-62.

Thamarajakshi, R. Agricultural policy for economic development. AICC Economic Review, May 15, 1966, p. 19-22, 38.

Thampan, P.K. Modernising agricultural administration. Village India, Oct. 2, 1966, p. 2-7.

Tolley, G.S. and Farmer, B.M. Factor market efficiency for agriculture. American Economic Review, May 1964, p. 107-19.

Tripathi, Ritambhar Pati. Agricultural labour and modernization of agriculture in India. AICC Economic Review, May 15, 1967, p. 19-21, 26.

Tubbs, Dr. F.R. The East Malling Research Station (1913-63). Nature, April 27, 1963, p. 327-31.

Van der Ban, A.W. The communication of new farm practices in the Netherlands. Sociologia Neerlandica, Summer 1965, p. 124-41.

Vepa, Dr. Ram K. Increasing agricultural productivity: some administrative problems. Kurukshetra, June 1966, p. 13-15.

Westermarck, Nils. The associability and effect of farm management extension service. Indian Journal of Agricultural Economics, July-Dec. 1964, p.17-24.

Wharton, Clifton R., Jr. Economic factors in Southeast Asian agricultural development. International Development Review, Sep. 1963, p. 13-16.

Williams, Simon. Private investment in world agriculture. Harvard Business Review, Nov.-Dec. 1965, p. 95-105.

Wrigley, G. The Central Agricultural Research Station (Tate and Lyle), Trinidad. Nature, May 11, 1963, p. 536-7.

Wycliffe, A. Farm planning - a technique for better farm management and better family living. Indian Journal of Agricultural Economics, April-June 1961, p. 37-46.

#### Medical Research

Alexander, P. and others. Progress of cancer research. Nature, Dec. 14, 1963, p. 1043-7.

Alexander, Dr. P. and others. Progress of cancer research. Nature, Jan. 9, 1965, p. 124-8.

Anderson, Odin W. The nation's health. Current History, Aug. 1963, p. 66-70, 117.

Andrews, Christopher Howard. The complex epidemiology of respiratory virus infections. Science, Dec. 4, 1964, p. 1274-7.

Annis, Edward R. Government health care: first the aged, then everyone. Current History, Aug. 1963, p. 104-9, 119.

Arrow, Kenneth J. Uncertainty and the welfare economics of medical care. American Economic Review, Dec. 1963, p. 941-73.

Barlow, Robin. The economic effects of malaria eradication. American Economic Review, May 1967, p. 130-48.

Becker, Harry J. Voluntary health insurance. Current History, Aug. 1963, p. 92-7, 118.

Bornet, Vaughn Davis. Research in the economics and sociology of medical care: a point of view. American Behavioral Scientist, Feb. 1961, p. 8-12.

- Brody, Jacob A. and others. Soviet search for viruses that cause chronic neurologic diseases in the U.S.S.R. Science, March 5, 1965, p.1114-16.
- Brown, Roy E. Medical problems of the developing countries. Science, July 15, 1966, p. 271-5.
- Carleton, William G. Government and health before the new deal. Current History, Aug. 1963, p.71-6.
- Cassedy, James H. Stimulation of health research. Science, Aug. 28, 1964, p. 897-902.
- Cohen, Wilbur J. Medical care for the aged. Current History, Aug. 1963, p. 98-103, 118-19.
- Cooper, Joseph D. Onward the management of science: the Wooldridge report. Science, June 11, 1965, p. 1433-9.
- Cooper, Michael H. and Jones, Robert H. Prescription fallacies. New Society, May 12, 1966, p. 7-9.
- Dain, Sir Guy. Advantages of the national health service. Current History, July 1963, p. 32-3, 52.
- Eckstein, Harry. The genesis of the national health service. Current History, July 1963, p. 6-11, 50-1.
- Eoemer, Milton I. World trends in medical-care organization. Social Research, Autumn 1959, p. 283-310.
- Folsom, Marion B. Health, education and welfare: the first decade. Current History, Aug. 1963, p. 87-91, 117-18.
- Forsyth, Gordon. Cost of the national health service. Current History, July 1963, p. 19-24, 51.
- Galant, Henry C. France: a comprehensive health plan. Current History, June 1963, p. 351-8, 368.
- Gantt, W. Horsley. The outlook for national medicine. Current History, June 1963, p. 321-5, 368-9.
- Gardner, John W. The government, the universities, and biomedical research. Science, Sep. 30, 1966, p. 1601-3.

- Garrow, J.S. Medical research in the British Caribbean. Nature, June 22, 1963, p. 1151-2.
- Glaser, William A. "Socialized medicine" in practice. Public Interest, Spring 1966, p. 90-106.
- Goodwin, Dr. L.G. Muffield Institute of Comparative medicine. Nature, June 19, 1965, p. 1193-4.
- Gould, Donald. Towards a cost-effective NHS. New Statesman, Jan. 6, 1967, p. 10.
- Gould, Harold A. Modern medicine and folk cognition in rural India. Human Organization, Fall 1965, p. 201-8.
- Grant, R.P. and others. Biomedical science in Europe. Science, Oct. 23, 1964, p. 493-501.
- Green, G. Colman. Reckitt and Sons, Ltd., new biological research laboratories. Nature, Nov. 9, 1963, p. 528-9.
- Hall, Oswald. Half medical man, half administrator: an occupational dilemma. Canadian Public Administration, Dec. 1959, p. 185-94.
- Handler, Philip. National planning for medical research. Science, June 25, 1965, p. 1688-92.
- Harris, Seymour E. National health insurance? Current History, Aug. 1963, p. 110-14.
- Hastings, John E.F. Canada's health programs. Current History, June 1963, p. 326-32, 368.
- Hill, Kenneth. Training doctors. (On problems of developing countries). New Society, Feb. 1964, p. 12-14.
- Hunter, Thelma A. Planning national health policy in Australia, 1941-45. Public Administration (U.K.), Autumn 1966, p. 315-32.
- Hurwitz, Samuel J. Medical care before world war II. Current History, July 1963, p. 1-5, 50.
- Jonas, Steven. Why do doctors emigrate? Socialist Commentary, May 1965, p. 9-11.

- Kaim-Caudle, P.R. Paying for health services. Administration, Summer 1965, p. 90-7.
- King, C.G. International nutrition programs. Science, Jan. 1, 1965, p. 25-9.
- Lapage, G. Medical research and World Health Organization. Nature, Oct. 17, 1964, p. 232-3.
- Lapage, G. The Medical Research Council. (On annual report for 1961-62). Nature, Nov. 23, 1963, p. 741-2.
- Lapage, G. The Medical Research Council. (On annual report for 1962-63). Nature, Aug. 22, 1964, p. 821-2.
- Ledley, Robert S. High-speed automatic analysis of biomedical pictures. Science, Oct. 9, 1964, p. 216-23.
- Lees, D.S. The economics of health services. Lloyds Bank Review, April 1960, p. 26-40.
- Lees, D.S. The logic of the British national health service. Journal of Law and Economics, Oct. 1962, p. 111-18.
- Lindsey, Almont. The health service: its first decade. Current History, July 1963, p. 12-18.
- Long, Millard F. and Feldstein, Paul J. Economics of hospital systems: peak loads and regional coordination. American Economic Review, May 1967, p. 119-29.
- Lubove, Roy. The new deal and national health. Current History, Aug. 1963, p. 77-86, 117.
- Malhotra, Prabha. Public medicine in India. Current History, June 1963, p. 359-65, 384.
- Medawar, Dr. P.B. The ' M.R.C.' fifty years ago and now. Nature, Dec. 14, 1963, p. 1039-42.
- Medical science in India. Nature, May 2, 1964, p. 445-6.
- Miller, Henry. In sickness and in health: a doctor's view of medicine in Britain. Encounter, April 1967, p. 10-21.



Mills, Don Harper. Malpractice and the clinical laboratory. Science, May 8, 1964, p. 638-42.

Modell, Walter. Mass drug catastrophes and the roles of science and technology. Science, April 21, 1967, p. 346-51.

Mukerji, B. Progress and promise of research in biomedical science. Science and Culture, June 1967, p. 265-9.

Noland, Richard W. Medical education and psychoanalysis. American Scholar, Summer 1967, p. 417-27.

Parmentier, N.C. and Jammet, H. Progress in medicine through the use of rays and radio-elements. Impact of Science on Society, Vol. 13, No.1 (1963), p. 61-7.

Price, Arnold. Health insurance in West Germany. Current History, June 1963, p. 345-50.

Ramalingaswami, Prof. V. Perspectives in protein malnutrition. Nature, Feb. 8, 1964, p. 546-51.

Reckless, John. Weaknesses of the national health service. Current History, July 1963. p. 34-40.

Richards, Dr. A.N. Production of penicillin in the United States, 1941-1946. Nature, Feb,1, 1964, p. 441-5.

Rosenberg, Herbert H. Research planning and program development in the National Institutes of Health: the experience of a relatively new and growing agency. Annals of the American Academy of Political and Social Science, Jan 1960, p. 103-13.

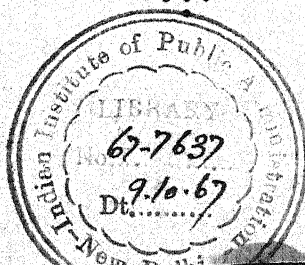
Rottenberg, Simon. The allocation of biomedical research. American Economic Review, May 1967, p. 109-18.

Rubinstein, Alvin Z. Medical care in the Soviet Union. Current History, June 1963, p. 339-44.

Sai, F.T. The health and nutrition problems of the less developed areas. Impact of Science on Society, Vol. 13, No. 3 (1963), p. 213-32.

- Simonson, Ernst and Brozek, Josef. Trends in some areas of Soviet biomedical research. Science, Dec. 24, 1965, p. 1687-9.
- Sinrod, Harold S. Periodontal disease in developing nations. Science, July 23, 1965, p. 400-402.
- Spencer, Frderick J. The British doctor. Current History, July 1963, p. 25-31, 51.
- Taylor, Carl E. Ethics for an international health profession. Science, Aug. 12, 1966, p. 716-20.
- Taylor, Carl E. Medical care for developing countries Atlantic Monthly, Jan. 1964, p. 75-6, 78-80.
- Taylor, Malcolm G. The role of the medical profession in the formulation and execution of public policy. Canadian Public Administration, Sep. 1960, p. 233-55.
- U.S. Institute for Biomedical Research. Nature, Dec. 19, 1964, p. 1142.
- Van Putten, L.M. Radiobiological Institute of the Organization for Health Research TNO, Holland. Nature, March 23, 1963, p. 1157-8.
- Viorst, Milton. The political good fortune of medical research. Science, April 17, 1964, p. 267-70.
- Williams, Greer. Quality versus quantity in American medical education. Science, Aug. 26, 1966, p. 956-61.
- Willoughby, Gertrude. Doctors and patients in France. New Society, Dec. 22, 1966, p. 941-2.
- Wuorinen, John H. Socialized medicine in Sweden. Current Hisoty, June 1963, p. 333-8.

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- Simonson, Ernst and Brozek, Josef. Trends in some areas of Soviet biomedical research. Science, Dec. 24, 1965, p. 1687-9.
- Sinrod, Harold S. Periodontal disease in developing nations. Science, July 23, 1965, p. 400-402.
- Spencer, Frderick J. The British doctor. Current History, July 1963, p. 25-31, 51.
- Taylor, Carl E. Ethics for an international health profession. Science, Aug. 12, 1966, p. 716-20.
- Taylor, Carl E. Medical care for developing countries Atlantic Monthly, Jan. 1964, p. 75-6, 78-80.
- Taylor, Malcolm G. The role of the medical profession in the formulation and execution of public policy. Canadian Public Administration, Sep. 1960, p. 233-55.
- U.S. Institute for Biomedical Research. Nature, Dec. 19, 1964, p. 1142.
- Van Putten, L.M. Radiobiological Institute of the Organization for Health Research TNO, Holland. Nature, March 23, 1963, p. 1157-8.
- Viorst, Milton. The political good fortune of medical research. Science, April 17, 1964, p. 267-70.
- Williams, Greer. Quality versus quantity in American medical education. Science, Aug. 26, 1966, p. 956-61.
- Willoughby, Gertrude. Doctors and patients in France. New Society, Dec. 22, 1966, p. 941-2.
- Wuorinen, John H. Socialized medicine in Sweden. Current Hisoty, June 1963, p. 333-8.

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